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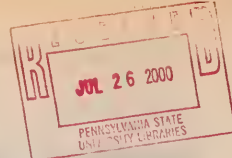
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JULY 17, 2000

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INFORMING THE PENN STATE COMMUNITY

JULY 17, 2000



Trustees approve \$2.15 billion budget

Penn State's Board of Trustees on July 14 approved a total operating budget of \$2.15 billion for the 2000-2001 academic year beginning this month.

This is an increase of \$76.5 million over the previous year that reflects priorities to sustain Penn State's academic leadership and the quality of education. The 2000-2001 budget also includes an additional \$429 million that reflects the operations of The Milton S. Hershey Medical Center, which are again part of the total Penn State budget.

"We have given priority in this year's budget to sustaining Penn State's academic leadership, and competitive salary increases are a special concern for us at this time," said President Graham B. Spanier in his presentation to the board. "We also will continue to support the School of Information Sciences and Technology and to invest in the interdisciplinary initiatives in life sciences, environmental studies, materials science, and children, youth, and families — all areas of special importance to the future of Pennsylvania."

Budget, page 2

Equity for those with disabilities boosted by 1990 act

This month marks the 10th anniversary of landmark legislation that made it easier for people with disabilities to travel, visit their local library, eat in a restaurant, buy lottery tickets and even have a view from the top of the Empire State Building.

The Americans with Disabilities Act (ADA) of 1990 is legislation aimed at remedying the history of pervasive discrimination against people with disabilities by mandating the removal of physical barriers and protecting the rights of the estimated 54 million people with disabilities in this country.

Over the last decade, the ADA has forced car rental companies to provide automobiles with foot controls; has challenged broad mental health inquiries on applications for professional licenses; has attacked discrimination in pension and retirement benefits; has provided individuals with reasonable accommodations on the job and at school; and has guaranteed that people with disabilities become part of the mainstream of the American economy.

"Penn State was working to ensure that people with disabilities could take advantage of all the Uni-

ADA, page 3

He's back for seconds



With a quick wave, the nation's 42nd president, Bill Clinton, prepares to get into his limousine — part of a 20-car motorcade that stopped at the Creamery on the University Park campus. Clinton was at Penn State on July 10 to deliver a talk to the state's leaders as part of the National Governors' Association meeting being held there from July 8-11. This is Clinton's second visit in four years to Penn State and the Creamery, where this time he ordered a scoop of Peachy Paterno ice cream. For more coverage of NGA, turn to pages 11, 12 and 13.

Photo: Alan Klein

Always ready



While the \$93 million renovation and expansion project at Beaver Stadium is under way, the grass still needs to be cut. Phil Lucas, above, an 18-year veteran of the stadium grounds crew, keeps the turf looking good — even in the off-season. At left, Sam Burris, a turf grass major, and Mike Matyasovsky, who is majoring in engineering, drill, clear and fill 110,000 holes with sand to help promote better water drainage on the field. The Nittany Lions kick off their home opener against the University of Toledo Rockets on Sept. 2. The expansion project, which will add more than 10,000 seats to the stadium plus other amenities, will be complete by the 2001 season.

Photos: Greg Grieso

Budget

Continued from page 1

The quality of education is another focus in this year's budget, said Spanier.

"We will be adding a modest number of new faculty positions to help reduce average class size; improvements in library and information technology resources will be supported to keep up with expanding demands in these areas; and we also will enhance student activities and support services at all campuses."

In addition, he said, "the capital improvement program begun last year will be continued to provide for deferred maintenance, renovations and high priority new buildings, needs that are extremely important to our students and faculty."

Resources to achieve these objectives — as well as to address the University's basic operating needs — include the state appropriation of nearly \$332 million, which is a 4.2 percent increase in funding over 1999-2000 or an increase of \$13.3 million. The appropriation also includes \$4.5 million for the School of Information Sciences and Technology that was previously funded through the Pennsylvania Department of Education,

and \$2 million designated for Penn College. The state appropriation makes up 15.4 percent of Penn State's total operating budget.

Resources also include tuition and fees of \$550 million, or 28.4 percent of the total budget.

"The largest change in the general funds portion of the budget is for salary adjustments," Spanier said. "This reflects both the people-intensive nature of the University's work and the special priority we are giving to salary increases this year."

Penn State faculty salaries have slipped in comparison with other peer institutions in recent years. During the current year, the faculty salary increases of the Big Ten universities are expected to exceed 5 percent. Penn State plans an increase of 3.5 percent for merit-based increases and for market, equity and compression considerations.

In addition, Spanier plans to direct an additional \$3.3 million to salaries from the President's Excellence Fund to supplement the salary increase for special cases, bringing the total budgeted for salary increases to \$20.7 million.

"These increases will bring us to within about one half of 1 percent of our peers," he said. "We are not

likely to lose much further ground under the proposed budget, but increasing faculty salaries to more competitive levels will continue to be a major challenge for us."

Spanier also outlined expenditures in several other areas of the General Funds Budget as follows:

Employee Benefit Cost Increases: Benefit cost increases for the coming year are projected to be just under \$7 million, including increases of \$3.8 million for health care, \$1.8 million in the TIAA/CREF retirement program, \$3.2 million in required contributions for retirement and Social Security related to salary increases, and an additional \$300,000 to continue improvements in the health plan for graduate students.

As a result of recent federal legislation, Penn State students and the University are exempt from FICA taxes, resulting in a savings of \$2.2 million. These savings are being reallocated to support graduate student health plan improvements, new graduate fellowships and other improvements in support of graduate education and research.

Facilities Cost Increases: The University is currently budgeting \$2.9 million for maintenance and operation

of new or newly remodeled facilities, including the classroom addition to Thomas Building and the renovation of the White Building as well as facilities at other campus locations.

Because of construction cost increases and pressing facility needs, the University is adding an additional \$80 million to its five-year \$100 million capital plan. The costs associated with this additional investment in facilities will be \$4 million in the current year.

Information Sciences and Technology: The base funding for the School of Information Sciences and Technology is \$4.5 million. This year these funds are a line item in the state appropriation giving the University the necessary funding stability to hire faculty and deploy the school's programs at locations across Pennsylvania.

Spanier told the trustees that in this year's budget, "we have made salaries a top priority and been able to address critical operating needs, support key academic initiatives and enhance student services. We have done so through our continuing commitment to good stewardship, emphasizing the efficient and effective use of the resources available to Penn State."

Team to look at literacy in children who speak Spanish

A team of Penn State professors will study the development of English literacy in Spanish-speaking preschoolers, thanks to a five-year, nearly \$2.1 million grant from the National Institute of Child Health and Human Development.

"Literacy becomes more complex for Spanish speaking children because they begin the literacy process with varied language experiences," said Carol S. Hammer, principal investigator for the study and assistant professor of communication disorders in the College of Health and Human Development.

Literacy development may be further complicated by differences between the home and school environments.

This study will investigate differences in the rate and quality of language and literacy development between children learning Spanish and English sequentially and simultaneously. Adele W. Miccio, assistant professor of communication disorders, is co-principal investigator for the study.

It also will address what factors of oral language development and the environment result in positive and negative literacy outcomes in bilingual children. In addition, the researchers will examine how the specific characteristics of bilingual children's language systems related to literacy outcomes and how the home environment buffers children against negative outcomes.

ADA

Continued from page 1

versity has to offer long before the ADA was enacted," said Bill Ritzman, Penn State's coordinator of ADA programs.

The University's commitment to an inclusive educational environment actually dates back to the end of World War I, according to Ritzman. In 1919, a social organization for disabled veterans was founded at Penn State and the group held annual events each year to raise funds for campus projects. Over the years, Congress has passed various legislative acts aimed at protecting the rights of individuals with disabilities, but the passage of the Rehabilitation Act of 1973 marks the greatest achievement of the disability rights movement. The act prohibited programs that received federal funds from discriminating against "otherwise qualified handicapped" individuals. The ADA of 1990 actually extends the requirements of the 1973 act.

In 1973, John Oswald, who was president of the University, appointed a committee to assess the needs at Penn State and make recommendations that would bring the University into full compliance.

"The committee was an interesting challenge, given the broad guidelines of the law," said Ray Murphy, vice president for Student Affairs under Oswald and chair of the 1973 committee. "What I remember most was the dedication and devotion the committee members had to the work."

Murphy said the architectural barriers, particularly in historic buildings, were challenging. The committee initially focused on eliminating barriers in essential buildings. Murphy said that to make all buildings accessible, the committee agreed to bend to the individual needs of those using the buildings.

"We decided that given the differences of people, we would adjust to the individual, not to stereotypes of people with disabilities," he said.

One of the recommendations to come out of the committee was the creation of an office to serve the needs of people with disabilities. The Office for Disability Services which has grown in scope and size since 1979 is now headed by Bill Welsh. Over the years, Penn State has conducted a number of self-studies of its programs, services and facilities to make sure they comply with ADA guidelines. University officials also have viewed the ADA as an opportunity to educate the University community about disability issues.



This photo from 1995 shows two Penn State workers finishing curb cuts to accommodate wheelchair access near the corner of Curtin and Bigler roads on the University Park campus, in accordance with ADA guidelines. Over the years, the University has allocated more than \$4 million for barrier removal projects.

File photo

"National statistics show a dramatic increase in the number of students with disabilities who are pursuing higher levels of education as a result of more opportunities available to them by the enactment of the ADA," Welsh said. "At Penn State, the number of students with disabilities has almost doubled since the act was passed in 1990."

Currently, about 1,600 students with disabilities have registered with the Office for Disability Services—more than 900 at University Park and approximately 700 at other locations. In addition, technology has greatly impacted disabled students' access to information.

"Societal and attitudinal biases need to change to recognize the abilities of this population," Welsh said.

Since the inception of the ADA, Penn State has allocated more than \$4 million for barrier removal projects from existing facilities. A University Access Committee, formed in 1994, is charged with overseeing compliance with ADA guidelines. Fifty-four barrier removal projects have been completed at University Park and 18 are currently in progress. The UAC is chaired by Jim Lettiere, manager of space planning and management in the Office of Physical Plant. Lettiere, who has been involved with the ADA at Penn State from the start, said the state has released \$8 million to the University for additional ADA enhancements to existing facilities.

"Twenty-six buildings have been targeted for barrier removal projects that are expected to begin later this year and be completed by December 2001," Lettiere said. "These funds will be used to make significant access improvements to buildings such as Grange, Forum, Ferguson, Ag Engineering, Bur-

rows, the Pavilion Theatre, Hosler, Forest Resources and Schwab Auditorium."

While Ritzman sees vast progress Penn State has already made to its physical barriers, he knows the University will face new challenges brought on by the Internet and the increasing number of services that require the use of technology.

"In addition, the different types of disabilities that we are seeing are increasing, such as mental health issues and learning disabilities," he said. "But I like to reflect on what two people who have made early contributions at Penn State shared with me. Both Ray Murphy and Charles Ness, who provided access to materials at Pattee Library particularly for those with sight loss, said essentially the same thing: we must tailor our services to the individual with the disability. We can't generalize or treat all people the same and the differences among people must be valued and addressed."

"I believe that the majority of people I work with share this philosophy," Ritzman said. "If Penn State continues to follow the tradition of putting people first, we can't help but succeed."

Penn State plans to celebrate the first decade of this historic civil rights legislation by hosting a reception in The Nittany Lion Inn at University Park on Monday, July 31. The reception will provide an opportunity to recognize the numerous people at Penn State who have had an impact on making programs, facilities and services more accessible for those with disabilities. If you know of someone who was involved with promoting equal access for people with disabilities or if you would like more information on the event, call Ritzman at (814)-863-0471 or

Hand-held technology makes Cambria County recycling job easier

With help from Penn State's Pennsylvania Technical Assistance Program (PENNTAP), Cambria County's Solid Waste Management Authority has become the first in the state to adopt hand-held computers to track recycling operations in the field.

"Our drivers have been using a palmtop computer on their recycling pick up routes for about six months now," said Tanya McCoy-Caretti, executive director of the waste authority. "We figure that, from the data collection and data entry standpoint, we save at least 12 hours per week."

By McCoy-Caretti's calculations that means that they have already saved well over the original \$1,000 hardware and software cost and are reaping increased productivity, more accurate records on the quality of their recyclables and improved ways to track and target their educational activities.

Cambria County offers 10 collection sites to recycle newspaper, clear glass and metal. Residents bring their

recyclables to these sites and once each week, Michael Lieb, collections supervisor for the solid waste authority, comes by with a truck to pick them up. He collects only one type of material on a given day and, before he had the palmtop, used a pencil and paper to record the amount and condition of the load at each site before taking it to a weigh station. In those days,

"My thought was ... the technology has to be out there."

Michael Lieb
collections supervisor

when Lieb got back to the office after making the rounds on his route he had to spend an additional 35 minutes or more each day re-entering the collected data into the office computer.

"My thought was UPS has a hand-held data collection device. Pepsi delivery personnel do too," said McCoy-Caretti. "So, the technology has to be out there. And that's when I went to Ralph at PENNTAP."

Ralph Caretti, a PENNTAP senior technical specialist based at University Park, also just happens to be Tanya's brother-in-law. In his job at PENNTAP, Caretti provides computer advice and direct hands-on assistance, free of charge, to help Pennsylvania business and industry improve their competitiveness.

"It took only about a week to find a suitable palmtop that could do the job and to pick database software, structure it, write an application and then teach the system to Mike Lieb," Caretti said.

"For somebody like me who's not a computer whiz, I found it to be relatively simple," Lieb said. "It's very similar to the Windows program I was using in the office."

Now, at the collection sites, Lieb simply pulls down a menu on the palmtop's screen and points to the name of the site, the material he is picking up, the amount and then notes any contamination. At the end of the day, when he returns to the office, he places the palmtop in its cradle and it automatically downloads the data into the office computer where figures can be double checked against the records supplied by the weigh station. More accurate records makes for more accurate payments, said McCoy-Caretti. She noted that the system has other benefits, too. "When the driver is out there collecting material from 10 different sites, he may see that at one site, for example, the glass bin is contaminated with a lot of plastic. Or, at another site, the paper in the bin is wet. With that information over a period of time, I can target my educational efforts," McCoy-Caretti said.

McCoy-Caretti recently described the new program at a workshop for representatives of the Pennsylvania Department of Environmental Protection and the Professional Recyclers of Pennsylvania. As a result, other communities throughout the state have indicated an interest.



From the Trustee Docket

Trustees hear update from new College of Medicine dean

Dr. Darrell G. Kirch, who on July 1 assumed the roles of senior vice president for health affairs for Penn State and dean of its College of Medicine in Hershey, addressed the Board of Trustees for the first time July 13.

In his remarks, Kirch related a brief history of the College of Medicine and The Milton S. Hershey Medical Center and talked to the board about the current status of research funding, clinical activity, and college and hospital finances.

He also described the college and medical center collectively as a values-based organization and said, "As we move forward, I intend for us to be very explicit about and to openly discuss our core values, while trying to be even more flexible as we rethink and redesign our organization daily."

Among the values Kirch listed as vital to the Hershey campus are open communication, respect, fairness and diversity.

Linked to these core values, said Kirch, are the guiding principles of pursuit of excellence, maintaining balance in missions and creating partnerships and teams. He explained how each of these principles are key to the future viability of the college and medical center.

Kirch also is the CEO of The Milton S. Hershey Medical Center. At Hershey, he succeeds Dr. C. McCollister Everts, who led the medical center since 1987.

For the full story, check the Web at <http://www.psu.edu/ur/2000/bot13julkirch.html>.

Executive director/chief operating officer named for Milton S. Hershey Medical Center

Steven D. Baron has been appointed executive director and chief operating officer of The Milton S. Hershey Medical Center. Dr. Darrell G. Kirch, senior vice president for health affairs, dean of the College of Medicine and CEO of The Milton S. Hershey Medical Center, made the announcement to the Board of Trustees on July 14.

Baron comes to Hershey from Rhode Island where he was president of Lifespan Rhode Island and president of Rhode Island Hospital and The Miriam Hospital. In this position, he oversaw all Rhode Island health care operations with 1,234 beds, an operating budget of \$680 million and 7,300 employees.

Before that, Baron was executive vice

president and chief operating officer of Lifespan, and president of Rhode Island Hospital and The Miriam Hospital from 1994 to 1997. He was president and chief executive officer of The Miriam Hospital, a major teaching hospital of Brown University School of Medicine, from 1988 to 1994, and executive vice president and chief operating officer from 1982 to 1988. Baron was associate executive director of Newton-Wellesley Hospital in Newton Lower Falls, Mass. from 1978 to 1982.

Baron received a bachelor's degree in psychology from Rutgers-The State University, New Brunswick, N.J., and a M.B.A. in health care administration from George Washington University.

Strategic planning guides budget process

July is budget time at Penn State and on July 13 the Board of Trustees heard an informational report on how Penn State's strategic planning guides its budget decisions.

"In contrast to many of our peer institutions, strategic planning and budgeting are closely linked at Penn State," said Rodney A. Erickson, executive vice president and provost. "Budgetary information is factored into the planning process to provide a realistic context for proposed changes and initiatives, and strategic plans are taken into account directly in budget allocation decisions."

"Through this process, Penn State has taken aggressive steps for many years to reduce costs and create more effective and efficient ways of operating, while at the same time preserving and enhancing academic quality," he said. "Specifically, the University has eliminated duplication in programs and services; moved resources to the most promising and effective programs; and shifted resources from administrative functions to support teaching, research and service."

Since the 1992-93 academic year, 58 programs have merged or been eliminated. Guided by a University-wide strategic plan for the years 1997 to 2002, each of the 33 major academic and administrative support units review and, if appropriate, revise priorities each year, taking into account student interest, societal and Commonwealth needs, developments in the field of study and faculty expertise.

Last year, the University also adopted a number of strategic performance indicators tied to institutional goals in the strategic plan.

In addition to internal budget reductions and reallocations, based on unit strategic plans, a number of administrative streamlining initiatives are reducing costs. Some examples include the award-

winning electronic approval system that enables the University to eliminate hundreds of thousands of paper forms; a new purchasing card that allows the University to consolidate payments and substantially reduce paper-work; and an increase in Web-based applications for admissions — 23 percent of undergraduate applications were submitted on the Web and 13 percent of graduate applications this year.

Gary C. Schultz, senior vice president for finance and business/treasurer, reviewed how Penn State is funded, focusing on revenues and expenditures, including costs affecting higher education.

In making comparisons with Big Ten public universities, Schultz noted that Penn State has the lowest state appropriation per student and the highest undergraduate tuition rate in the Big Ten. He also noted that in comparison with public universities in Pennsylvania, Penn State receives the lowest state appropriation per student, well below those of Pitt and Temple, despite the fact that Penn State continues to outpace these universities in enrollment growth.

"In 1976-77 the state appropriation was 54 percent of our General Funds Budget, today it is 33 percent," Schultz said. "During, the same time period, tuition and fees have increased to comprise 60 percent of this budget, compared to 38 percent in 1976."

Overall, he said, funds available to the University per student from state appropriation and tuition — when adjusted for inflation — are not much higher now than in 1970. In fact, the University's purchasing power per student is virtually the same as it was 30 years ago, despite the increased cost demands of compliance with Americans with Disabilities Act and environmental legislation, major mainte-

nance and technology. In addition, salaries and benefits have increased as a percentage of the budget.

Erickson outlined a number of other factors that have pushed tuition higher.

"We need to offer competitive salaries to attract and retain a high quality faculty and to cover the increasing cost of benefits," he said. He also explained that funds have been budgeted to increase faculty salaries, which have been slipping behind those of peer institutions in recent years, and to continue adding new faculty positions to reduce class size — more than 300 positions have been added in the past three years.

Erickson also noted that the University has invested \$4.7 million in new initiatives, such as those in information sciences and technology, the life sciences, material science, environmental studies, and children, youth and families — fields that meet national and Commonwealth needs. Plans are to add an additional investment of \$6.8 million over the next several years.

New technology expenses include the growth in computer labs and computer use — from 16,000 accounts for faculty staff and students in 1990 to 101,000 accounts this year, and from an average of 49,000 e-mail messages per day in 1990 to more than 2 million a day now. In 1995, the University Libraries subscribed to three electronic databases and now subscribe to more than 300.

"These initiatives are costly, but necessary, elements in our efforts to enhance academic quality and improve access to technology," said Erickson. "The need to maintain an aging physical plant and to comply with various unfunded mandates will continue to be other critical factors in Penn State's planning process for the foreseeable future."

Board OKs sale and purchase of properties

The Board of Trustees approved the purchase of a 35-acre parcel of undeveloped wooded land from Neil Edwards for \$332,500. The property, which is near the Research Park and bridges University lands in the Big Hollow area, allows more direct access to Penn State agricultural land below the airport.

It also approved the sale of a little more than 4 acres at the Fruit Research and Extension Center at Arendtsville and Biglerville to Chad E. McDannell for \$96,500. Included are a two-and-a-half story residence and other outbuildings that are not being used by the University.

In other property matters, the board approved the sale of two properties at Penn State Erie — the Dumbuck and Davis properties — to the Pennsylvania Department of Transportation for construction of the East Side Access Highway. The properties were acquired several years ago for a total of \$165,000. The selling price for both properties is \$182,100.

The highway is intended to improve traffic on the east side of Erie County. It also will provide more direct access to the college from the city of Erie and Interstate 90 and will open the campus to an even greater outreach role to the state's northwest region. The highway eventually will cross the campus for approximately 1.5 miles. PennDOT is expected to acquire a total of 12 University properties to complete the work.



From the Trustee Docket

Preliminary Pasquerilla Spiritual Center plans approved

By ANNEMARIE MOUNTZ
Public Information

Preliminary plans for construction of the Frank and Sylvia Pasquerilla Spiritual Center on the University Park campus were approved by the Board of Trustees on July 14.

The core of the new spiritual center, which will adjoin the existing Helen Eakin Eisenhower Chapel, will be a large worship space with fixed seating for close to 500. That space is expandable to nearly 800 with the use of three adjoining program rooms that can open into the larger space. These program rooms also may be used independently, with each room's capacity ranging from 100 to 125.

The complex will include several other program rooms that can be used for prayer, worship or other functions; two kitchens, one of which will be kosher; administrative offices; and ample gathering space outside worship areas. An elevator will be added to provide alternate access to second-floor offices and to the basement-level Frizzell Room, and a new entry to the Frizzell Room will be created off the main lobby of the expanded building.

A unique feature of the complex will be a 60-foot masonry light tower, signifying light as a common thread to many of the 32 religious groups registered on the campus. The tower will be at the center of an expanded courtyard, which will tie together the existing building and the addition.

James Oleg Kruhly and Associates of Philadelphia designed the facade of the spiritual center to integrate with the existing chapel. The addition will be built entirely of brick to match the brick of the current chapel, and the roof of the new worship area will fit contextually



These artist's renderings show the Pasquerilla Spiritual Center as it will be seen from the corner of Curtin Road and Allen Road during the day, left, and at night, above. The board approved preliminary plans for this addition to the Helen Eakin Eisenhower Chapel on the University Park campus.

with surrounding buildings. Slotted windows on the Curtin Road side of the building will add texture to the exterior, and will allow soft, diffused light into the worship area.

The existing Eisenhower Chapel consists of roughly 24,000 square feet. The addition will contain approximately 29,415 square feet, allowing for a greater

variety of spiritual and educational activities to take place. According to planners, the new facility shows the strong commitment of the University to acknowledge the importance of spiritual growth as part of the complete education of its students and to do so in a manner that recognizes the spiritual and cultural diversity of its student body.

The expansion will be supported solely by private funds. Major gifts include \$5 million from the family of Sylvia and Frank Pasquerilla, former chairman and CEO of Johnstown-based Crown American Realty Trust, a publicly traded real estate investment trust that specializes in regional shopping malls, including The Nittany Mall in State College; \$1 million from Joe and Sue Paterno; and \$1 million from Bill and Joan Schreyer. Construction of the estimated \$9 million project is expected to begin in spring 2001.

New name for Research Park: Innovation Park at Penn State

To highlight the broad scope of activities being carried out at the 118-acre Penn State Research Park, it will now bear the permanent name Innovation Park at Penn State. President Graham B. Spanier announced the new name to trustees at their meeting July 13.

The new name reflects the innovative ideas which form the basis of the growing scope of technology and intellectual property being developed within the University and commercialized and brought to the market place, according to officials. The park provides a prime location where University faculty members and business partners collaborate and access the patent licensing, business incubation and commercial development services.

Karen Dickinson, director of the park, said there will be an official roll-

out in the fall for the park's new "identity."

The University's Board of Trustees adopted the park as a phased-development project in 1987 to assist in the economic revitalization of the state. Phase 1 includes the Technology Center Building, The Penn State Conference Center Hotel, the Materials Research Institute Building and Daybridge Child Care Center. Phase 2, begun on Aug. 29, 1997, with a groundbreaking ceremony, includes the Lubert Building which is already at full occupancy. In addition, a multi-tenant building is under construction for March 2001 occupancy and another multi-tenant building is on the drawing boards.

Eventually, Phase 2 will provide an additional entrance to the Research Park when I-99 is completed.

Dean updates board on college's mission

Well into its second 100 years of educating students and serving Pennsylvania agriculture, the College of Agricultural Sciences will focus on meeting the ever-changing demands of the food and fiber system by continuing its land-grant mission of integrating teaching, research and extension and outreach, Dean Robert Steele told the University's Board of Trustees on July 13.

McKeesport project architect is named

After a feasibility study of the existing Buck Union Building at Penn State McKeesport, the Board of Trustees learned that renovation costs would approach those for a new structure and agreed that it was in the best interest of the University to demolish the existing facility and build a new one.

The mission for the college in the 21st century, Steele said, is building excellence in teaching, research and extension so that graduates in agricultural sciences can thrive in a world that reaches well beyond the farm gate and Pennsylvania into a teeming global and virtual economy.

For the complete story, check the Web at <http://www.psu.edu/ar/2000/bot13julsteele.html>.

On July 14, the board appointed the firm of W.T.W. Architects of Pittsburgh to build the approximately 24,000-square-foot building for a project budget of about \$5.5 million.

The building will include food services, a bookstore, student organization offices, a health center, student activity space and a multi-purpose room.



From the Trustee Docket

New student initiatives spur increase in tuition

The Board of Trustees on July 14 approved an increase of 5 percent in the base tuition rate for the 2000-2001 academic year, plus an increase of 1.23 percent earmarked for student support initiatives and facilities improvements.

"This increase is necessary to maintain and enhance the quality of programs in a highly competitive environment," said President Graham B. Spanier. "In order for our students to succeed in their chosen careers, they must have access to the latest technology and state-of-the-art academic and support facilities."

"We are committed to providing our students with the best resources and services to prepare them for whatever awaits them upon graduation."

The increases bring the yearly tuition cost for lower-division students from Pennsylvania to \$6,546 at University Park, Penn State Erie and Penn State Harrisburg — an increase of \$384 over last year. Upper-division students at these locations will pay \$6,876 per year.

Lower-division students at Penn State Altoona, Abington and Berks will pay \$6,436 annually, while those at Lehigh

Valley and Schuylkill and within the Commonwealth College will pay \$6,340 a year. Upper-division students at Altoona, Abington, Berks, Lehigh Valley and Schuylkill will pay \$6,764 a year and those at the Commonwealth College campuses will pay \$6,612 annually.

Penn State operates under a differential tuition plan in which upper-division students and graduate students pay somewhat more than lower-division students. The plan recognizes the higher costs associated with teaching upper-division students.

Graduate students from Pennsylvania at University Park and most other locations will pay \$7,484 per year in 2000-2001. Non-resident graduate students at University Park will pay \$14,980 annually.

Tuition charges for students who are not residents of Pennsylvania have been set at \$14,088 per year for lower-division students at University Park; \$12,560 at Penn State Erie and Harrisburg; \$9,998 for non-residents attending Penn State Altoona, Abington and Berks; and \$9,812 for non-resident lower-division students at Lehigh Valley, Schuylkill and locations in the Commonwealth College.

Spanier explained the money allocated for student support initiatives will allow for the expansion of the highly successful student newspaper readership program that provides students with their choice of national and local newspapers. The program will expand to include all students at 20 undergraduate campuses throughout the Penn State system. The program currently provides papers only to students in residence halls.

The increase also gives permanent base funding support for parking facilities and services at all of the University's Commonwealth campuses; and permanent base funding support of the free campus Loop bus service for students at University Park. The free bus service offered to students was launched in 1999, and ridership has since tripled from 1 million riders a year to 3 million.

In addition, the funds will allow the main level of the HUB-Robeson Center to remain open 24 hours a day and also will support the operation of the new fitness center being constructed in White Building, including 24-hour weekend access. More access to these facilities was requested by students. At Penn

State's other campuses, funds will be used to support their highest priority student support activities.

"To remain one of the top universities in the nation, we must continue our program of capital construction for academic and student support facilities on all of our campuses, a priority that is reflected in this increase," Spanier told trustees. "These funds are designated for a number of areas and will be used in part for deferred maintenance, renovations and high-priority new buildings. A focus of this year's budget is to again sustain Penn State's academic leadership and continue the quality of education for which we are known."

With the previously announced room and board increase of 4.69 percent, the total cost of attending Penn State will increase by 5.72 percent. Penn State continues to be one of the most popular universities in the country, with more than 74,000 applications already submitted for this summer and fall — a record high.

Tuition and fees make up 60 percent of the income of the general funds budget, which supports teaching and research at the University.

Giving to Penn State reaches all-time high

By MICHAEL BEZILLA
University Relations

Philanthropic giving to Penn State reached an all-time high of \$170.8 million for the year ending June 30 and helped the University's seven-year Grand Destiny capital campaign make good progress, according to a report presented to the Board of Trustees July 14 by Board Vice Chair Edward R. Hintz, who also serves as volunteer chair of the campaign.

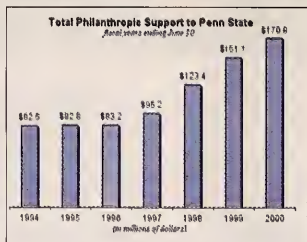
The total represents a 13 percent increase over 1998-99, when giving reached \$151.1 million. This year's fund-raising total is more than double what was raised in 1995-96, the year before the start of the Grand Destiny campaign, when \$83.2 million in gifts was received. Giving to Penn State has now increased nine years in a row.

About 17,000 Penn State alumni were among the 118,000 individuals, corporations, foundations and other organizations who made gifts.

"These gifts already are at work to strengthen the quality of Penn State's educational programs and help the University make a difference in the lives of the citizens of Pennsylvania and beyond," Hintz said.

He also noted that the \$170.8 million includes about \$57 million designated by donors for endowments that support scholarships, professorships, research funds and other academic programs. The University invests endowments in perpetuity and uses part of the income to support the programs designated by the donor. Other gifts support annually funded programs ranging from library acquisitions to student recreation, but again, as intended by the donor.

The Grand Destiny campaign counts not only outright gifts but also pledges that will be paid over the next few years. As of June 30, the campaign had secured \$807 million in gifts and pledges toward its billion-dollar goal, thus achieving 81 percent of its goal in 57 percent of its time frame. The campaign began on July 1, 1996, and is scheduled to end on June 30, 2003.



President Graham B. Spanier noted that the campaign has already had a tangible impact on students and faculty.

"Thanks to campaign gifts, we have been able to endow more than 700 undergraduate scholarships, establish about 40 faculty chairs and professorships and provide \$40 million for graduate student support," he said. "These are the kinds of enhancements that are not available to us through other sources of funds, but that we must have if Penn State is to meet the ever-growing demands placed upon it."

Hintz noted that Penn State faculty and staff contributions to the campaign have surpassed \$20 million with nearly 43 percent participation. Members of the Board of Trustees have given or pledged \$66.3 million since July 1, 1996.

The campaign gives highest priority to support for undergraduate and graduate students, faculty and academic programs. Donors have given or pledged \$506 million for these purposes. Bricks and mortar projects and ongoing support make up most of the remaining campaign targets.

Nobel Prize-winner to receive honorary degree

The Board of Trustees approved the recommendation on July 14 that Dr. Stanley B. Prusiner, professor of neurology and biochemistry at the University of California School of Medicine, San Francisco, be granted an honorary doctorate of science degree at the College of Medicine commencement ceremony on May 20, 2001.

Prusiner received the 1997 Nobel Prize in physiology and is recognized internationally for his contribution to the understanding of a new biological principle of infection. He discovered an entirely new class of pathogens, which he called "prions," that are composed only of protein and replicate without nucleic acid.

Through this work, he created a new field of research that has resulted in significant progress in understanding degenerative diseases of the central nervous system such as Mad Cow Disease, Human Prion Disease and age-dependent neurological diseases.

He is a member of the National Academy of Sciences, the Institute of Medicine and a Fellow of the American Academy of Arts and Sciences as well as the Royal Society, London. He has won many awards for his research.

Prusiner received his A.B. and M.D. degrees from the University of Pennsylvania, his postgraduate clinical training at UCSF and his research training at the National Institutes of Health as a member of the U.S. Public Health Service.

He joined the faculty at UCSF in 1974.



Stanley B. Prusiner



News in Brief

Gambling is topic of Spanier radio show

The impact of legal and illicit gambling on American life will be the topic of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly radio call-in show airing at 7 p.m. Tuesday, July 18, on WFSU-FM (91.5, 106.7, 95.1, 90.1, 100.9 and 104.7).

Joining Spanier to discuss such topics as the growing influence of the gaming industry, compulsive gambling and Internet gambling will be Frank J. Fahrenkopf Jr., president and CEO of the American Gaming Association, and Keith Whyte, executive director of the National Council on Problem Gambling.

Listeners with questions or comments about this controversial topic are encouraged to join the discussion by calling (800) 543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ur/tech/tech.html>; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of national and local interest and to allow listeners a chance to communicate directly with Penn State's president.

Free seminar

Jackie Esposito, assistant university archivist and Penn State's records management expert, will give free records management seminars at Penn State Beaver from 10 to 11:30 a.m. and from 2 to 3:30 p.m. Wednesday, July 19.

Esposito will explain the details of University policy AD-35, "University Archives and Records Management," and show how to use the retention schedules (General Forms Usage Guide Appendices 18 and 21) to determine how long records should be kept. She also will give time-saving hints on organizing and coordinating records by using color-coding, date-stamping and subject identifiers. In addition, Esposito will discuss the benefits of using the Inactive Records Center and the University Archives.

To register for one of the seminars, e-mail Luke Taiclet at bt2@psu.edu.

Fulbright application deadline

The University Office of International Programs reminds faculty and staff interested in applying for 2000-2001 Fulbright Senior Scholar awards for lecturing and research that the application deadline is Aug. 1. Awards are available in 130 countries and are open not only to college and university faculty and administrators, but also to professionals from the business community and government, as well as to artists, journalists, lawyers and independent scholars.



Beth Finger, a wildlife and fisheries student at University Park, works on a clay model of a brook trout in the new ceramics studio in 6008 HUB-Robeson Center.

Photo: Greg Grieco

The deadline for applying for spring/summer 2001 seminars in Germany, Korea and Japan for international education and academic administrators as well as for the summer German studies seminar is Nov. 1.

For more information on these programs, call John M. Keller at (814) 865-3336, e-mail jmk13@psu.edu, fax (814) 865-3336 or check the Web at <http://www.international.psu.edu/fulbright/fultschol.html>. The site has links to the Council for International Exchange of Scholars, which administers the Fulbright Scholar program.

Parents and families invited

Parents and families of Penn State students at University Park are invited to campus for a weekend of activities, information sessions and entertainment on Sept. 23-24. Known as "Parents and Families Day," this is an annual event hosted jointly by the Penn State Alumni Association and the Office of Student Affairs.

Activities include tours of various sites on campus, as well as a bus tour. Parents and families will have the opportunity to attend a TV party where they can watch the Penn State-Ohio State football game and take part in information sessions on a variety of topics including career services and scholarship. A student talent show, stargazing and planetarium shows, movies, dancing, creative crafts and other activities are on the agenda.

The weekend concludes with The Melissa Heydenreich 5K Moxie-Thon, a race in honor of Melissa Heydenreich, a Lion Ambassador who lost her

life to leukemia. All proceeds of the race, which is sponsored by the Penn State Lion Ambassadors, help fund leukemia research conducted at Penn State.

Anyone interested in the weekend can stop by the HUB-Robeson Center Welcome Desk from 9 a.m. to 3 p.m. Saturday, Sept. 23, to pick up detailed schedules, maps and general information. A complete list of the weekend's events is available on the Alumni Association's Web site at <http://www.alumni.psu.edu/events/pday/>.

Floating Lions Club

A new group has been formed to celebrate a century of pride in the Penn State Bands. The "Floating Lions Club" will help raise funds to support the Penn State Blue Band and Penn State Concert Bands.

At the close of the bands' 100th anniversary year this year, the new club is looking for founding members. The club will help the bands repair and replace instruments, attract instructor support and provide musical arrangements exclusive to Penn State.

Anyone interested in joining can obtain different levels of membership through different monetary donations ranging from \$35 to \$500.

For more information, call Karen Walk at (814) 865-3982.

Carpooler

Carpoolers wanted from Phillipsburg to University Park. Work hours are Monday through Friday, 7 a.m. to 3:30 p.m. Call William at (814) 863-2577 or (614) 342-5701.

Water quality report

The University, in accordance with U.S. Environmental Protection Agency (EPA) regulations, has posted a consumer confidence report at <http://www.opp.psu.edu/info/>, which contains detailed water quality information designed to inform the public about Penn State's safe and dependable supply of drinking water. University officials report that Penn State's water supply meets all federal and state requirements.

The information also is available in printed form. Requests for copies of the *Consumer Confidence Report* should be directed to Paul Ruskin, communications/public affairs coordinator, 113 Physical Plant Building, University Park, Pa. 16801.

Anyone with questions relating to Penn State water quality should e-mail pdr2@psu.edu, or call (814) 863-9620.

New program on Channel 3

Penn State Public Broadcasting (PSPB) launched a new public affairs program, "15 MINUTES," during the summer hiatus of "Take Note," a 15-minute public affairs interview show featuring local and national experts. Steve Jones, who served as a guest host on "Take Note" since 1997, will host the new "15 MINUTES," which will focus on people, issues and events that are important to the Central Pennsylvania region. Jones, the "Voice of Penn State," is known for his play-by-play sportscasting on Penn State's Sports Network.

Viewers can find the program schedule and submit their story ideas on the Web at <http://wpsu.psu.edu/15min>.



Arts & Entertainment

Pirates of Penzance

Tickets are now available for the Center Theatre Players Inc. production of the musical *Pirates of Penzance*, to be presented at Penn State Beaver as part of the Broadhead Cultural Center's summer season.

The show will be presented at 8 p.m. July 27-29 in the Study Learning Center theatre at Penn State Beaver. Tickets are \$10 and may be purchased in 145 Administration Building at the campus. Tickets also are available at the amphitheater before each Broadhead Cultural Center performance or by calling (724) 773-3817.

Exhibits at University Park

The following exhibitions are on the University Park campus at the HUB-Robeson and Kern galleries. For more information, visit the Web at <http://www.psu.edu/HUB/Galleries/> or call (814) 865-2563.

HUB Gallery, first floor

■ "Quint-Essence: Five State College Artists" through July 29. Botanical serigraphs from Ginny Davis Baggett; watercolor/collages by Dorothy Grebos; the ceramics of Soon Hahn; watercolors by Ruth Kemper; and the silk batik work of Janet Lindsay form this exhibition.

Baggett is a native of Clearfield and has exhibited throughout the state. Her honors include a printmaking merit award from the Central Pennsylvania Festival of the Arts.

Grebos, originally trained as a musician, is an accomplished pianist and painter who has exhibited frequently in Pennsylvania and won numerous awards for her work, including several merit awards from the Art Alliance of Central Pennsylvania.

Hahn has exhibited in South Korea, Germany and throughout Pennsylvania, and won a number of awards.

Kemper has a studio and classroom in Clearfield where she has taught art for nearly 30 years. She has exhibited throughout the state, including many years at the Central Pennsylvania Festival of the Arts.

Lindsay has a degree in art education from Penn State and has maintained a studio in State College for nearly 30 years.

Robeson Gallery, HUB lower level

■ "Diverse Unity in Art," featuring the works of three Pennsylvanians, is on display through Sept. 15. The art in this exhibit is representative of traditions and diversity not typically connected to Pennsylvania, but indicative of the richness different cultures bring to the Commonwealth. The works of Pete DeBonis and Stephen Carter, both ceramic artists, and Akiko Kotani, a fabric weaver and painter, are in the spotlight.

DeBonis from Beech Creek creates ceramic pieces in the ancient Japanese tradition of Anagama kiln firing.



Kelly AuCoin, left, Anne Newhall and Amanda Axelrod are in *Accomplice*, which will be on stage July 21-29 with previews July 19-20 at the Playhouse Theatre on the University Park campus. Tickets are \$25 for general admission, \$22 for previews. For information, call (814) 863-0255 or (800) ARTS-TIX (278-7849) or check the Pennsylvania Centre Stage Web site at <http://www.psu.edu/dept/PACentreStage/accomplice.html>.

Photo: Greg Grieco

where pottery is fired without using any kind of glaze;

Carter, professor of art at the University of Vermont and a native of Chester, Pa., creates colorful contemporary ceramic art influenced from across the African Diaspora; and

Akiko Kotani, born in Hawaii but a resident of Pennsylvania for the past 20 years, produces elegant fabric weavings and brush paintings influenced by fellow artists in Asia, Europe and Central America.

■ "Out of the Box: Myths and Reality. Pieces by Dori Grace Lemeh," on display through Aug. 30; an exhibit of mixed-media paintings. Lemeh received her MFA from Penn State and currently serves as coordinator of advising for the School of Visual Arts.

For more information about any of the exhibits, call the Robeson Cultural Center at (814) 865-3779.

HUB Art Alley, first floor

■ "Elli Groninger Woodward: Metal Art," through October. A former California toy designer originally from Pennsylvania, Woodward is employed in the Powdered Metals Laboratory at Penn State, where she is helping to develop a bronze sculpture system in which metal can be sculpted as if it were clay.

■ "Visual Serendipity: Paintings by Joanne Ursic," through Aug. 30. Ursic is completing a bachelor's degree in painting and drawing at Penn State. She has been awarded the Barbara Gohn and Edwin Zoller Scholarships

from the School of Visual Arts.

■ The Digital Photography Studio Student Exhibition, through July 24. The Digital Photography Studio, established in January 1997 by Gerald Lang, professor of art, can be found in the College of Arts and Architecture's School of Visual Arts. With leading-edge equipment, students from across the University are able to explore, hands-on, the role of technology in the arts. For a preview of what students are accomplishing, visit the Web at <http://www.psu.edu/photography/studmenu.htm>. For more information about the studio, go to <http://www.psu.edu/photography/>.

■ "Floating World of a Woman: Paintings by Avani Patel," through July 24. Patel, born in Bombay, India, recently received her B.A. from Penn State in painting and drawing.

Kern Commons Building
"The New Berlin: Views of the City Before and after the Wall," through Sept. 22. The images in this exhibit are views of several well-known sites in Berlin as they were in 1983, when the Wall came down, and 10 years later.

Art on the Move

Art on the Move, a program under the direction of the HUB and Kern Art Galleries, focuses primarily on the art work of Penn State students. Current exhibits are:

■ Rutenour exhibit area: "Route 550 South: Images by Kathryn Murken," through Aug. 17, a display of photo-

graphic collages inspired by things seen along a rural Pennsylvania highway. Murken is pursuing a bachelor's degree in printmaking.

■ North Halls exhibit area: "Postcards from the Reconstruction: Paintings by Norman Fetter," through Aug. 15. The paintings of Norman Fetter use a southwestern landscape as a backdrop for a questioning and evaluation of American consumer culture. The artist is a recent graduate of the bachelor's degree program in painting and drawing at Penn State with a minor in English.

Elderhostel course

Explore the natural history of bird identification and migration through an Elderhostel course, Wonders of Bird Watching and Migration in Autumn Splendor, Oct. 1-6, at Shaver's Creek Environmental Center, a Penn State outreach resource near the University Park campus.

Participants will have the opportunity to learn bird-watching basics that include field identification, bird behavior, bird calls and songs, and the natural history of birds. Highlight activities include early-morning songbird walks; up-close views of resident hawks, owls and eagles; and a trip to Stone Mountain. Participants can expect to be outdoors and involved in light hiking.

For information about program content and cost, call Nancy McCord, conference planner, at (814) 863-1738 or e-mail ConferenceInfo2@cedu.psu.edu.

UNIVERSITY PARK CALENDAR

July 18 - July 27

SPECIAL EVENTS

Friday, July 21

Accomplices, The Playhouse, July 21 - 29. For tickets, call (814) 863-0255.

MUSIC

Tuesday, July 18

Tom Cat Swing Band, soul and swing, noon, Fisher Plaza.

Thursday, July 20

AAA Blues Band, blues, noon, Fisher Plaza.

Friday, July 21

Simple Gifts, folk, noon, Creamery.

Tuesday, July 25

Andy Tollino Trio, bluegrass, noon, Fisher Plaza.

Thursday, July 27

Back All, contemporary jazz, noon, Fisher Plaza.

EXHIBITS

Engineering Unit C

Works from Spring 2000 Architecture 432 class, Aug. 24 through Aug. 31.

HUB-Robeson Center

"Images 2000," fine arts exhibition of the Central Pennsylvania Festival of the Arts, through July 20.

"Quint-Essence: Five State College Artists," through July 29.

"Diverse Unity in Art," through Sept. 15.

"Out of the Box: Myths and Reality" by Dori Grace Lemeh, through Aug. 30.

"Ell Gröniger Woodprint: Metal Art," through October.

"Visual Serendipity: Paintings by Jaime Ursic," through Aug. 30.

The Digital Photography Studio Student Exhibition, through July 24.

"Floating World of a Woman: Paintings by Avani Patel," through July 24.

North Hall exhibit area

"Postcards from the Reconstruction: Paintings by Norman Fetter," through Aug. 15.

Palmer Museum of Art

"Abe Ajay: Constructions and Collages," Special Exhibitions Gallery I and American Works on Paper Gallery, through Sept. 11.

sva2000 Faculty Exhibition, Special Exhibitions Gallery II, through Sept. 17.

Pattee Library exhibit area

"The Central Pennsylvania Festival of the Arts Sommesse Poster Retrospective" with Lanny Sommesse, through July 29.

Rienour exhibit area

"Rienour 550 South Images by Kathryn Murken," through Aug. 17.

Zoller Gallery

The Crafts National 34, through July 21.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed list of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Going Away for the Summer?

Stay in touch with Penn State through the Employee Newswire.

It's easy. Just go to the Web at <http://312c.ond.psu.edu/Subscribe/> to sign up for your FREE Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



25-Year Awards



Connie Dunkle



Penny Kowalski



Janice Marge



Sandra McBride



Florabelle C. Thomas

Observing 25 years of service at the University are, from left, Connie Dunkle, staff assistant VI in the Office of Research Affairs; Penny Kowalski, staff assistant VII in the Registrar's Office; Janice Marge, associate professor of engineering at Penn State Abington; Sandra McBride, staff assistant IX, Materials Research Laboratory in the Office of the Vice President for Research; and Florabelle C. Thomas, staff assistant VI in the College of Engineering.

Commission for Women

New members, executive committee named

Now in its 19th year of addressing the concerns of women at Penn State, the Commission for Women welcomes newly appointed members who will serve three-year terms. With the appointment of these 10 women, there are currently 33 members serving on the commission.

In addition, the commission has named its executive committee for 2000-2001.

As an advisory group to the University president, the Commission for Women provides a forum for exchanging ideas that can translate into University-wide improvements that support women and enhance the working and learning environment. Its membership represents every employment category: faculty, exempt and non-exempt staff, technical service and administrative, as well as graduate and undergraduate students.

New members for 2000-2001 are:

■ Erin Drew, graduate student, Dickinson School of Law;

■ Kacy Gambles, undergraduate student in business administration;

■ Amanda Hudnall, undergraduate student in industrial engineering;

■ Debbie Korman, food preparer B, Housing and Food Services;

■ Tracy Leitzel, staff assistant, Office of the Vice President for Business and Finance;

■ Maria Mercedes Maroto Valer, research associate, College of Earth and Mineral Sciences;

■ Annemarie Mountz, associate editor, Department of Public Information;

■ Kimlyn Patishnock, financial officer, University Libraries;

■ Susan Reighard, staff assistant, The Institute for Arts and Humanities Studies; and

■ Linda Strauss, graduate student in higher education.

Executive Committee members for 2000-2001 are:

■ Vasundra Varadan, distinguished professor of engineering science and mechanics, who will serve as chair;

■ Janine Andrews, assistant manager of employee relations, Office of Human Resources, chair-elect;

■ Jennifer Barberio, undergraduate student in women's studies;

■ Mary Jane Irwin, distinguished professor of computer science;

■ Claudia Limbert, campus executive officer, Penn State DuBois;

■ Bonnie MacEwan, collections officer, University Libraries;

■ Laura Maney, groundskeeper/landscaping, Office of Physical Plant;

■ Susan Shuman, senior diversity planning analyst, Office of the Vice Provost for Educational Equity; and

■ Joan Summy-Long, professor of pharmacology, College of Medicine;

Staff support for the commission is provided by Sue Rankin, senior diversity planning analyst, Office of the Vice Provost for Educational Equity.

For a listing of the full membership of the Commission for Women, visit the Web at <http://www.ions.psu.edu/cfu/member/memberlist.html>.

University seeks accreditation for animal care, use programs

Consistent of its policies and practices, Penn State has decided to seek the highest possible level of accreditation for its animal care and use programs at the University Park. The programs at the College of Medicine in Hershey already have won approval from the Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC) and now animal care and use committee members expect University Park programs to do so as well.

"We believe that we meet the criteria and have always managed our animal care and use practices at the highest standard," said Terry D. Ehterton, head of the Department of Dairy and Animal Science and chair-

man of Penn State's Institutional Animal Care and Use Committee.

AAALAC accreditation is voluntary and non-regulatory. However, more than 600 organizations, companies and universities in 11 different countries have sought and won AAALAC accreditation to demonstrate their commitment to responsible animal care and use. In addition, some research funding agencies have begun to request accreditation.

"We currently do a great job with our animal care and use program and AAALAC accreditation will help us to improve our program," said Candice Yekel, director of regulatory affairs. "I believe we are good stewards."

Approval by AAALAC shows an

institution is not only complying fully with federal and state regulations but going above and beyond what the regulations require.

AAALAC site visitors will be on campus to review University Park practices later in the summer. Contact the Office of Regulatory Compliance at (814) 865-1775 for details.

Eva Pell, vice president for research and dean of the graduate school, said that while Penn State has an excellent program for monitoring animal care and use, full accreditation status from AAALAC will give the University an additional assessment which will considerably strengthen its educational programs and ability to compete for sponsored research.

LECTURE

State Data Center's user conference set for Sept. 15

The Pennsylvania State Data Center at Penn State Harrisburg will hold its annual Data User Conference Friday, Sept. 15, at the Holiday Inn-Grantville.

The conference will feature experts from government, academia and the private sector discussing a wide range of topics.

Harold Hodgkinson, director of the Center for Demographic Policy, will discuss "Pennsylvania's Demographic Future" at the plenary session and James Thomas, dean of the School of Information Sciences and Technology, is the luncheon keynote speaker, addressing the challenges of e-commerce and e-government.

In addition, there are 18 breakout sessions scheduled.

To register or for more information, call (717) 948-6336 or e-mail pasdc-reserve@psu.edu. Session and speaker information is available on the Data Center's web site at <http://www.pasdc.hbg.psu.edu/>.

OBITUARIES

Marjorie A. Bird, staff assistant VI at Penn State Wilkes-Barre, from Oct. 1, 1977, until her retirement April 1, 1994; died June 21, at the age of 66.

Josephine M. Galli, instructor in French at Penn State Delaware County, from Sept. 1, 1968, until her retirement June 30, 1984; died June 11. She was 82.

Margaret C. Herbst, extension agent in the College of Agricultural Sciences, from Aug. 1, 1956, until her retirement Jan. 1, 1982; died June 25, at the age of 79.

Hilda C. McNear, nutrition adviser in the College of Agricultural Sciences, from Nov. 24, 1969, until her retirement Jan. 4, 1995; died May 29. She was 68.

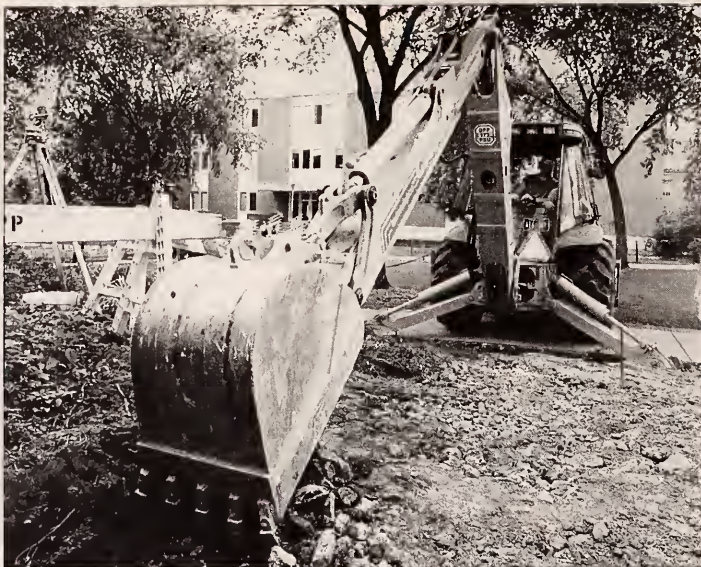
Harold B. O'Bryan, janitor foreman in the Office of Physical Plant, from June 10, 1968, until his retirement Oct. 1, 1978; died June 24, at the age of 86.

Emma G. Rogers, nutrition aide in the College of Agricultural Sciences, from Feb. 1, 1971, until her retirement July 1, 1983; died June 10. She was 82.

Wilfred C. Snook, waste water treatment plant operator in the Office of Physical Plant, from April 13, 1977, until his retirement April 15, 1987; died June 6, at the age 75.

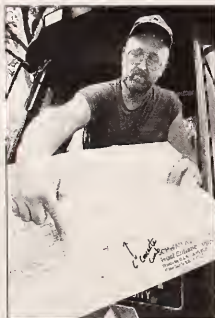
Frederick M. Williams, associate professor of biology in The Eberly College of Science, from Sept. 15, 1970, until his retirement April 1, 1999; died June 9. He was 66.

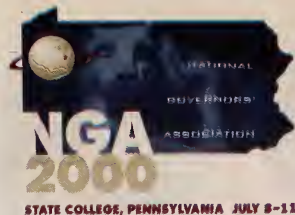
Stepping up to a new look



Schwab Auditorium on the University Park campus has been undergoing extensive interior renovations. Recently, the building's exterior got some attention. Above, Office of Physical Plant employee Don Ishler removes the existing asphalt paving at the entryway. Below, Ishler points out the area being renovated. At right, OPP masonry crew members Lynn Bigelow and Bill McNichol start placing new flagstone where the asphalt had been.

Photos: Greg Grieco





President Bill Clinton asked the governors to help him make the most of his final six months in office.

Photo: Greg Grieco

National meeting draws big names, shines spotlight on the University

By ANNEMARIE MOUNTZ
AND LISA M. ROSELLINI
Public Information

Four memorable days on the University Park campus ended with a flourish last week as the president of the United States again stopped by the Creamery for a little Penn State hospitality and 38 governors made their way back to their home states.

From July 8 through 11, Penn State and State College were home to the National Governors' Association Summer Meeting—an event that brought with it big-name speakers, big-time media and a big boost in the University's recognition factor.

"This was a tremendous event for Penn State and the Centre Region," said University President Graham B. Spanier. "It really raised the University's visibility and will help us in a number of ways. It not only allowed the nation's leaders to come away with a clearer understanding of Penn State, but also of what higher education can do for the economy of every state."

Spanier also said that student recruitment would be aided by the high-profile meeting and the University's ability to host large gatherings that promote local economic development was aptly demonstrated—which should draw even more events of this magnitude.

The governors' meeting attracted widespread national media attention not only because the states' chiefs were gathered here to discuss state issues, but also because it featured talks by



Federal Reserve Board Chairman Alan Greenspan, left, greets Penn State President Graham B. Spanier after speaking to the governors at their plenary session Tuesday, July 11.

Photo: Greg Grieco

U.S. President Bill Clinton, Alan Greenspan, chairman of the Federal Reserve Board, and retired Gen. Colin Powell. It also included sessions with David Broder, a national political correspondent for *The Washington Post* and Pulitzer Prize-winning journalist, and Rob Reiner, actor/director and co-founder of a foundation that helps children.

President Clinton's second visit to the University in four years on July 11 lasted about three hours but clearly grabbed the attention of the region and nation as reporters from *The Washington Post*, *The New York Times* and Associated Press flew in to cover his talk that focused mostly on the successes of his two terms as president. After his talk, Clinton shook hands with governors and others in the audience and lingered near head coach Joe Paterno's seat as they discussed Nittany Lion football.

"Not many people know this, but I'm a big Penn State fan," Clinton confided to a number of people he spoke with at The Penn

State Conference Center Hotel. The nation's 42nd president left the hotel in a 20-vehicle motorcade that took him directly to the Creamery on campus for a taste of its famous ice cream.

The president passed on the new flavor, Ridge's Road, that was created especially for the NGA meeting and Pennsylvania Gov. Tom Ridge and features a blend of chocolate ice cream, peanuts and caramel.

Instead, Clinton ordered a scoop of Peachy Paterno and told onlookers that he'd like to take some home to Hillary. Before leaving campus, the president again shook hands with bystanders and talked about State College as a great place to visit.

"This meeting may get people to realize some of the things going on in Centre County," said Paterno. "There's a lot of potential here. This was a great thing for State College, Central Pennsylvania and Penn State ... and it's been a lot of fun."

NGA, page 12



Local and national media turned out in force to cover the opening press conference and the major speakers for the National Governors' Association Summer Meeting, July 8-11, on the University Park campus

Photo: Greg Grieco



The four-day National Governors' Association Summer Meeting brought close to 40 governors and other major figures — President Bill Clinton, Federal Reserve Board Chairman Alan Greenspan, retired Gen. Colin Powell

and movie director Rob Reiner — to the University Park campus. The event gave them an opportunity to experience the hospitality of Central Pennsylvania, and gave many people up-close encounters with some of the most politically powerful people in the nation.

Penn State's Department of Public Information had several people covering the event, including photographers Greg Grieco, Steve Manuel and Scott Johnson. Some of the sights they captured appear on these pages. For more photos, video clips by Melisande McCrae and stories by a number of staff members, check the Web at <http://www.psu.edu/ur/nga/>.



"Our future is our young people," said Retired Gen. Colin Powell, chairman of America's Promise — The Alliance for Youth.

Photo: Steve Manuel



Lisa Wood of Rhode Island, a member of the Host Committee, and her son, Andy, played basketball during the Pennsylvania Tallgate at the Multi-Sport Facility on the University Park campus.

Photo: Greg Grieco



Pennsylvania Gov. Tom Ridge watches as a cone of Ridge's Road ice cream is prepared at the Penn State Creamery for a treat before leaving at the end of the National Governors' Association Summer Meeting.

Greenspan cites higher education's role in transforming the economy

Editor's note: Alan Greenspan, chairman of the Federal Reserve Board, was the featured speaker at the closing session of the 92nd annual National Governors' Association meeting, held at The Penn Stater Conference Center Hotel on the University Park campus from July 8-11. Like many of his counterparts who spoke during the four-day meeting, Greenspan discussed ways that states could remain competitive in a new global economy. But the Federal Reserve chief, largely regarded as the architect of the country's current economic expansion, also focused on higher education as a vehicle for states to take advantage of new opportunities.

A brief overview of his talk follows. For a full version of Greenspan's remarks, visit the Web at <http://www.federalreserve.gov/boarddocs/speeches/2000/20000711.htm>.

By Vicki Fong
Public Information

America's universities and colleges have played a major role in transforming the U.S. economy into the current leader of global technological innovation and the longest U.S. economic expansion, according to Alan Greenspan, chairman of the Federal Reserve Board, who spoke on campus July 11 during the National Governors' Association meeting.

"If we are to remain preeminent in transforming knowledge into economic value, the U.S. system of higher education must remain the world's leader in generating scientific and technological breakthroughs and in preparing workers to meet the evolving demands for skilled labor," he said.

Greenspan outlined the economic changes brought on by information technology and said

that prospects for economic growth lie in a country's capacity to develop new technologies — a job best done by universities.

"Our universities are the engine of economic growth," Greenspan said. "The payoff of expertise, new products, new services, for example — have always been the most frequent sources of success have been the centers of commercial innovation, where creative leadership where creative local academic scholars are at the center."

Greenspan went on to say that the university system in this country has been an important part of the success of the nation. In addition, he said, the new economy — with its emphasis on cutting-edge technology and high-tech products — requires a major investment in education. "Equally critical to our economic success is the quality of our tertiary and secondary schools," he said.

"Incorporating new technologies into the educational process is likely to be more than simply wiring classrooms to improve our schools. To achieve the most effective use of new technologies, we must provide necessary training to use them. We must provide forums for teachers and researchers to share ideas and to work together to best to integrate technology into the educational process."



prepared. Ridge and his family stopped by The
errors' Association Summer Meeting.

Photo: Greg Grieco

Education's Economy

economic growth now depend
develop and apply new
technology handled well by U.S.

around the world,"
is — in terms of the
products and startup compa-
nies impressive. Per-
fected measures of our
vigilance of significant
innovation and entrepre-
neurship flow freely between
the public and those in industry."
say that state support for
and for small business-
development is an element in the vitality
of the economy. Greenspan stressed
the importance of innovation
driven by innovation
— requires consid-
ering and training people.
investment in human
education in our elemen-
tary schools," Greenspan told the

technologies into the edu-
cation system be an important ele-
ment but it must involve
the classroom. To
the outcome from new
technologies to provide teachers with the
tools to teach them effectively and to
provide them with the tools and education re-
sources and approaches on how
to integrate technology into the curriculum."



Movie director Rob Reiner said programs such as Pennsylvania's Community
Partnership for Safe Children, which joined forces with America's Promise to
help more Pennsylvania at-risk children, are exactly what's needed.
Pennsylvania first lady Michele Ridge, right, is heavily involved in the
Community Partnership.

Photo: Steve Manuel



Tommy Ridge, front, son of Pennsylvania Gov. Tom Ridge, takes a closer look at some of the
technology at the "A Taste of Pennsylvania" event at the HUB-Robeson Center on the University Park
campus.

Photo: Scott Johnson

NGA

Continued from page 11

Throughout the weekend, governors and their families were able to kick back and relax at a number of events, including a Kenny Rogers concert, a tailgate party featuring an impressive lineup of Pennsylvania athletes, an "Evening Under the Stars" in downtown State College and "A Taste of Pennsylvania," a reception at the HUB-Robeson Center that showcased Pennsylvania's food, art and technology.

"We always wanted to be a national conference destination," said Mike Conti of Penn State Hospitality Services, whose employees prepared food for 1,200 people for the tailgate party held inside the Penn State Multi-Sport Facility. "This has given Penn State's facilities the national exposure that could pay dividends in the long run."

Food preparation for the tailgate party alone involved close to 125 people from Penn State Hospitality Services, including almost 100 on site during the event.

"Of course, you can't prepare the food in advance, so we had 25 chefs on the job at about 4 a.m.," Conti said.

Those chefs cooked up quite a spread: roughly 500 pounds of ground meat became hamburgers, which were served along with 350 pounds of hot dogs, between 75 and 100 pounds of cole slaw and potato salad, fresh roast pork, lunchmeat sandwiches, baked beans and a variety of snacks.

Alabama Gov. Don Siegelman never thought he'd ever find himself at a Penn State tailgate, but enjoyed himself nevertheless.

"This has been a great experience. I'm really impressed with the wonderful facilities Penn State has here," he said.

Siegelman also was taken in by the architecture of some of the older buildings both on campus and in downtown State College, as well as the rural surroundings and said, "Happy Valley is a beautiful place."

On the final day of the meeting, Gov. Ridge — host of the event — told reporters he thought it was a success, due largely in part to the hard work of the 300 to 400 volunteers from both the community and the University.

"This was the perfect venue for something like this," Ridge said. "People know a lot about urban Pennsylvania, but we're also a very rural, agricultural state. We have some tremendous universities, and a pre-eminent research university right here in this rural setting."

College of Communications departmentalizes to keep up with growth

In an effort to better meet the needs of its burgeoning numbers of students and faculty, the College of Communications has adapted its administrative structure by creating four academic departments. Effective July 1, the college will be home to the departments of Advertising/Public Relations; Film/Video and Media Studies; Journalism; and Telecommunications.

The College of Communications is the largest communications program in

the country accredited by the Accrediting Council of Educators in Journalism and Mass Communication. The program was founded as the School of Communications in 1985 and became a college in 1994. In the time since its creation, undergraduate enrollment has grown from 855 students to 2,921, and the number of full-time faculty has increased from 28 to 55.

One interim and three permanent department heads have been appointed.

They are: Robert Richards, associate dean for undergraduate education and faculty development, now interim head of the Department of Journalism; Robert Baukus, associate professor, will head the Department of Advertising/Public Relations; Mary Mander, associate professor, will head the Department of Film/Video and Media Studies, which will continue to offer majors in both areas; and Patrick Parsons, associate professor, will head the Department of

Telecommunications. (See story in "Appointments" section on page 15.)

Departmentalization has been a topic of discussion among the college's faculty for several years, but was never formally considered. The administration sees several advantages to the move, including the enhancement of faculty development, greater stability and continuity through program-level leadership, greater faculty participation in program affairs and enhanced efficiency.

Dean search under way for Commonwealth College

The University is seeking candidates for the position of dean of the Commonwealth College. The dean serves as principal academic and administrative leader of the college and reports directly to the executive vice president and provost of the University. The dean is responsible for the quality of academic programs in teaching, research and service; strategic planning, budgeting; fund-raising, alumni relations and outreach; and management of the college's facilities. Joseph Strasser retired as dean of the college July 15.

The position requires an individual who can lead effectively and manage a large and complex college that is geographically distributed. Candidates are expected to have significant academic achievement, preferably with credentials appropriate for a tenured appointment at the rank of professor. The candidate should have a thorough familiarity with the philosophy and responsibilities of a large, research-oriented, land-grant institution and a commitment to quality and innovative teaching. Prior experience in academic administration with responsibility for personnel, programs and/or resources is required. Salary will be commensurate with experience and qualifications.

The Commonwealth College, the University's largest college, consists

of 12 campuses: Beaver, Delaware County, DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Shenango, Wilkes-Barre, Worthington Scranton and York. The dean's administrative office is located at the University Park campus.

The Commonwealth College provides instruction and research opportunities, primarily at the undergraduate level. The college had a total credit enrollment of approximately 14,350 students for fall semester 1999. A full-time equivalent faculty and staff of approximately 1,400 people serve the college, supported by a budget of approximately \$70 million.

Send nominations, applications and inquiries to David H. Monk, chair, Search Committee for Dean of the Commonwealth College, The Pennsylvania State University, 201 Old Main, University Park, Pa. 16802. In addition to a paper copy, the search committee would be pleased to receive applications or nominations on a diskette or by e-mail sent to PSUSearch@psu.edu. The search committee will begin to review applications Sept. 1, and will continue to receive them until the position is filled.

For more information about the Commonwealth College, check the Web at <http://www.cwc.psu.edu/> or e-mail PSUSearch@psu.edu.

Senior Class Gift suggestions sought

The 2001 Senior Class Gift Campaign is inviting students, alumni and friends of Penn State to submit proposals for next year's class gift.

These will be reviewed by a volunteer ballot selection committee made up of students, faculty, staff and administrators, who will then establish a ballot listing three potential gifts for consideration. Students graduating in 2001 will vote on the choices in October.

Proposals, which can range from bricks and mortar to scholarships and endowments, must be submitted by Sept. 8 and should be consistent with

the spirit of the University's Master Plan (<http://www.opp.psu.edu/upmp/upmp.htm>).

For complete guidelines and a link to submitting your proposal, go to: <http://www.development.psu.edu/WaysToGive/AnnualFund/ProposalGuidelines2001.asp>.

For more information, e-mail Greg Laur, senior class gift adviser, at gwl1@psu.edu.

For a list of past senior class gifts, visit the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/seniorgiftlist.asp>.

New carpet



Laura Maney, left, Carol Young and Wayne Gates, all landscapers in the Office of Physical Plant at University Park, lay down new bluegrass sod near Schreyer House, home of President Graham B. Spanier.

Photo: Greg Genco



Appointments

Great Valley announces new CEO, associate dean

After a national search, William D. Milheim has been appointed campus executive officer and associate dean at Penn State Great Valley School of Graduate Professional Studies. Milheim, a faculty member at Penn State Great Valley since 1991, had been serving as acting CEO during the past year.

A specialist in instructional technology, Milheim joined Penn State Great Valley as program coordinator and assistant professor of instructional systems and advanced to academic division head of education before being named acting CEO.

Before joining Penn State Great Val-

ley, he was assistant director of the Institute for Interactive Technologies and assistant professor of mathematics and computer science at Bloomsburg University.

In 1994, Milheim received the College of Education Outstanding Faculty Award and in 1996 he earned the Great Valley Award for Teaching Excellence. In 1990, he won the Young Academics Award of the National Society for Performance and Instruction.

A graduate of the College of Wooster, Wooster, Ohio, Milheim earned master's and doctoral degrees at Kent State University. He is a resident of Chester Springs, Pa.

Reorganization leads to appointment of department heads

The College of Communications has changed its administrative structure and created four academic departments: Advertising/Public Relations; Film/Video and Media Studies; Journalism; and Telecommunications.

One interim and three permanent department heads have been appointed to oversee those new units. They are: Robert Richards, associate dean for undergraduate education and faculty development, now interim head of the Department of Journalism; Robert Baukus, associate professor, will head the Department of Advertising/Public Relations; Mary Mander, associate professor, will head the Department of Film/Video and Media Studies, which will continue to offer majors in both areas; and Patrick Parsons, associate professor, will head the Department of Telecommunications.

Richards, who joined Penn State's faculty in 1988, has served as professor-in-charge of the journalism program for the past year and was named associate dean last spring. In addition, he is the founding co-director of the Pennsylvania

Center for the First Amendment and director of the Penn State Washington Program. He teaches courses in media law, broadcast news, and media and government.

Baukus, who has taught and conducted research at Penn State since 1987, specializes in marketing communications, advertising campaigns, media planning and advertising research methods. He has served as professor-in-charge of the advertising/public relations program for the last two years.

Mander joined Penn State's faculty in 1980 as an assistant professor of speech communication. In 1987, she was made an associate professor of media studies. She currently teaches history and theory of mass media and cultural foundations of communications.

Parsons, who has served as professor-in-charge of the telecommunications program for the past two years, came to Penn State in 1985. He teaches and conducts research in the general areas of media technology and social change, and media ethics and responsibility.

Professor is head of Gittlen Cancer Research Institute

Dr. Gary A. Clawson, professor of pathology and biochemistry and molecular biology, has recently been named the director of the Jake Gittlen Cancer Research Institute at The Milton S. Eshelby Medical Center. Clawson has been the acting director since March 1998.

Clawson, a member of the faculty in Penn State's College of Medicine since 1991, is also chief of the Division of Experimental Pathology. He received his undergraduate, master's and doctoral degrees from Michigan State University and later earned his medical degree from the University of Miami. He has received numerous honors throughout his career including the Research Career Development Award from the National Cancer Institute.



Gary A. Clawson

Clawson has authored nearly 100 scholarly publications and his major areas of interest focus on early changes in carcinogenesis.

The Jake Gittlen Cancer Research Institute was created to promote excellence in cancer research and education, and allows researchers to embark on projects exploring the mechanisms and underlying process of cancer. The College of Medicine has a comprehensive cancer research program in place. Members of the Gittlen institute have been extremely successful in generating competitive funding—capturing more than \$550,000 per member over the last year. Gittlen institute members also are members of the Division of Experimental Pathology in the College of Medicine.

Landscape architecture department head named

Brian Orland, professor of landscape architecture at the University of Illinois at Urbana-Champaign, has been named department head and professor of landscape architecture in the College of Arts and Architecture. He will assume the position on July 21. Eliza Pennypacker vacated the position to become the head of the Division of Campus Planning and Design for Penn State.

While at the University of Illinois at Urbana-Champaign, Orland served on the Faculty Senate, the Executive Committee for the Graduate College and campus committees for the environment and computing. A founding member of the University Environmental Council, he also helped lead the development of specializations in the human dimensions of environmental systems and in computing for the arts.

Orland was a Visiting Research Fellow in 1989 and 1996 at the University of Melbourne. He has received numer-

ous awards and his publication record includes chapters in several books and many journal articles. He has published in the area of environmental perception and has directed the development of computer software for visualization. He has an active program of research in environmental modeling and visualization.

Orland received his B.A. in architecture; his B.Arch. from the University of Manchester; and his master of landscape architecture from the University of Arizona. He is a registered architect and has worked in many areas, including Botswana, Tanzania and El Salvador. He has directed and managed the Imaging Systems Laboratory at the University of Illinois for 15 years, one of the best-known and largest centers specializing in the application and evaluation of information systems for environmental management.

PRIVATE GIVING

Faculty couple endows scholarships with \$150,000 gift

Students in plant physiology and the College of Health and Human Development will receive significant financial benefits as a result of the generosity and vision of two former faculty members.

Barbara Shannon, who retired as dean emerita of the College of Health and Human Development in 1999, and her husband, Jack Shannon, professor emeritus of plant physiology, have committed \$150,000 to endow two scholarship funds—one in each of their academic areas.

The Jack C. and Barbara M. Shannon Graduate Scholarship in plant physiology, endowed with a \$50,000 gift, will support outstanding graduate students in the Intercollege Graduate Program in plant physiology who are advised by faculty in the Department of Horticulture,



THE
PENN STATE
CAMPAIGN

College of Agricultural Sciences. An additional gift of \$5,000 from the Shannons will make this scholarship available immediately.

The remainder of the Shannons' gift will establish four honors scholarships for outstanding students in the College of Health and Human Development. These "recruitment" scholarships are designed to attract and retain students who manifest high academic promise. The first honors scholarship in the college was established in 1999 with an initial gift from the Shannons.

The University has named the four Barbara Shannon Honors Scholarships to recognize her service to the college, where she was dean from 1995 through 1999, and the leadership and dedication she has shown as both a faculty member and administrator. As dean, Shannon led the college in numerous development initiatives, including the creation of a Student Professional Development Endowment, the Honors Scholarship Initiative and a mentoring program for students. Currently, she is professor emerita of nutrition.

Barbara Shannon earned a bachelor's degree from the University of Tennessee, a master's degree from the University of Illinois, Urbana-Champaign, and a Ph.D. from Purdue University.

Jack Shannon was chair of the Inter-

college Graduate Program in plant physiology, established in 1985, for 13 years. The program brought together faculty from the College of Agricultural Sciences, The Eberly College of Science and the College of Engineering. Under his leadership, the program became nationally and internationally recognized. He initiated and led the International Plant Physiology Symposium series at the University.

Jack Shannon received his bachelor's degree from the University of Tennessee and his master's and doctorate from the University of Illinois, Urbana-Champaign. His research focused primarily on the physiological processes of maize.

Residents of State College, Jack and Barbara Shannon joined the faculty in 1971.



Awards

Chandra X-ray Observatory wins *Discover Magazine* award

The Chandra X-ray Observatory, NASA's newest and most powerful X-ray space telescope, has been selected as the winner of the Editor's Choice category of the 2000 *Discover Magazine* Awards for Technological Innovation.

The telescope's Advanced CCD Imaging Spectrometer, one of its primary X-ray cameras, was conceived and developed for NASA by Penn State and the Massachusetts Institute of Technology under the leadership of Gordon Garmire, Evan Pugh professor of astronomy and astrophysics.

Chandra, along with the rest of the winners, is listed in the July 2000 issue of *Discover Magazine*. The winners also are on the magazine's Web site at <http://www.discover.com>.

Chandra, named in honor of Nobel laureate Subrahmanyan Chandrasekhar, was launched in July 1999 aboard the Space Shuttle Columbia and deployed to a highly elliptical Earth orbit. Chandra's powerful X-ray telescope can resolve distant images eight times sharper and detect X-ray sources 20 times fainter than any previous X-ray space telescope.

The *Discover* Awards for Technological Innovation acknowledge the creativity of men, women, corporations and institutions who have reached superior levels of ingenuity. The Editor's Choice category is reserved for innovations that go beyond the magazine's established innovation categories by providing a marked advance in their field.

Outstanding College of Engineering employees cited

Faculty and staff in the College of Engineering were recently honored by that college for their outstanding service and contributions. Those honored include:

Outstanding Advising Award

This award, given in recognition of outstanding dedication to advising engineering students, was presented to John F. Gardner, associate professor of mechanical engineering; Elena M. Joshi, instructor in industrial and manufacturing engineering; Laura L. Pauley, associate professor of mechanical engineering; and A. David Salvia, instructor of electrical engineering.

Outstanding Teaching Award

Given to honor individuals who show a special talent and commitment to teaching, this award was presented to Francesco Costanzo, assistant professor of engineering science and mechanics; Theresa S. Mayer, associate professor of electrical engineering; Deborah J.

Medeiros, associate professor of industrial engineering; Peter J. Shull, assistant professor of engineering at Penn State Altoona; and Kon-Well Yeh, professor of mechanical engineering.

Outstanding Staff Award

This award, given in recognition of superior service by staff employees in engineering, was presented to Pamela K. Adams, staff assistant in the Engineering Education Center; and Kimberly A. Ripka, administrative assistant in the Department of Mechanical and Nuclear Engineering.

Outstanding Research Award

This award recognizes notable contributions to research at Penn State and beyond. Receiving this honor were: George A. Lesieutre, professor of aerospace engineering and associate director of the Center for Acoustics and Vibration; Michael M. Micci, professor of aerospace engi-

Worthington Scranton honors three for service, scholarship, teaching

Penn State Worthington Scranton recently honored several staff and faculty members for their outstanding service, scholarship and teaching. Honored were James D. Gallagher, André Prévós and James A. Weiss.

■ Gallagher, campus executive officer who retired June 30, received the 2000 Gertrude Hawk Chocolates Award. Instituted in 1979 by then-company president Elmer Hawk, the award recognizes a member of the campus faculty or staff who exhibits outstanding performance and service in academic endeavors, co-curricular activities and service to the community.

Gallagher's Penn State career has

spanned 40 years. After holding several University positions, he was appointed as CEO at Penn State Worthington Scranton in 1979. Under his leadership, the campus has experienced peak enrollment and began offering baccalaureate degrees; built the Classroom Conference Center building; and reached nearly \$2 million in available student scholarship endowments and major academic program support.

Gallagher also has served as a board member for numerous community organizations during his tenure.

■ Prévós, associate professor of French and Spanish, was awarded the Dr. Richard and Sally Mathews Award

for Excellence in Scholarship. The award was established in 1988 by the Mathews' to recognize outstanding performance in scholarship and research.

An expert on American and French rap music and hip hop culture, Prévós' work in recent years has appeared in numerous professional journals. In the past five years alone, Prévós has published 13 articles, 11 book chapters and a book translation, presented 47 conference papers in 12 countries, and had 152 book reviews published.

■ The 2000 Campus Advisory Board Award for Excellence in Teaching was awarded to Weiss, assistant professor of chemistry. Funded in 1988 by the Cam-

Professor of physics earns Humboldt Award

John Collins, professor of physics, has received the Humboldt Award from the Alexander von Humboldt Foundation in Bonn, Germany. The award includes a monetary grant and support for research at German universities of the recipient's choice for a one-year period.

A theoretical physicist, Collins focuses on the strong interactions of elementary particles. He is perhaps best known for his mathematical proofs of "factorization theorems," which provide the fundamental tool by which successful predictions are made for experimental observations at high-energy particle accelerators.

Without the theorems, it would not be possible to understand the data produced



John Collins

by the accelerators or to use the accelerators for searches for new phenomena.

Collins will spend the 2000-01 academic year based at Deutsches Elektronen-Synchrotron, a laboratory in Hamburg, Germany, that performs basic research in high-energy and particle physics as well as in the production and application of synchrotron radiation.

The Humboldt Foundation presents up to 150 research awards annually to "foreign scholars whose academic qualifications enjoy international recognition. The object is to pay tribute to academic accomplishments of award winners and to foster long-term cooperation between foreign and German researchers."

Lecturer wins teaching award

Susan M. Stroh, senior lecturer in communications, has been awarded the 2000 Excellence in Teaching Award from the University's College of Communications Alumni Society.

With this annual award, the society recognizes faculty members who have demonstrated excellence in teaching and a dedication to helping students learn and excel both in and out of the classroom. The award also commends recipients for their ability to inspire students and improve the learning environment.

Stroh, who also coordinates the college's Schreyer Scholars Program, was nominated by her students and fellow faculty members. Stroh, who has been at Penn State since 1985, currently teaches courses on advertising media planning and mass media research methods. She also has been a consultant on national health education campaigns.

pus Advisory Board, the award recognizes a faculty member who has demonstrated innovative and dedicated teaching techniques in his or her academic endeavors.

Weiss joined the Penn State faculty in 1970. He has taught general chemistry and organic chemistry, as well as distance education courses for the University. Weiss is a member of the American Association for the Advancement of Science, American Chemical Society and Sigma Xi.

He is credited with numerous abstracts and papers related to his research and is the author of two independent learning chemistry courses.



Awards

Penn State Altoona honors several employees for their achievements

Several Penn State Altoona employees recently received recognition for their outstanding achievements. The award recipients include:

- James K. Hancuff, part-time lecturer in mathematics, and Mary K. Kananen, part-time lecturer in biology, received Outstanding Lecturer Awards;

- Lori J. Bechtel, division head of education, human development and social sciences and professor of biobehavioral health, was awarded the campus Commission for Women Leadership Recognition Award;

- Sandra H. Petrunionis, assistant professor of English, received the Grace D. Long Faculty Excellence Award; and

- Anthony J. Mikesic, systems coordinator, Carole A. Bookhamer, staff

assistant, and Frank M. Ciccarella, maintenance worker, all received the Ted J. Long Staff Excellence Award.

- Peter J. Shull, assistant professor of engineering, was awarded the Outstanding Teaching Award by the Penn State Engineering Society.

Three individuals also were recognized by Penn State Altoona's Student Government Association for their contributions and dedication. They are:

- Amy L. Wolfe, advising/counseling assistant, for Excellence in Academic Advising;

- Irene T. Hurd, part-time lecturer in Russian, for Excellence in Classroom Teaching; and

- Gina G. Baird, coordinator of student activities, for Student Organization Adviser.

Two awarded inaugural "Making Life Better" Award

Susan Irwin and Michael Leonard of the Office of Undergraduate Education are the recipients of the inaugural "Making Life Better" Award presented by that unit. The award provides recognition to individuals in the Office of Undergraduate Education who have gone beyond expectations to make life better for those in the Penn State community.

Irwin, a staff assistant in the Department of Aerospace Studies, Air Force ROTC, has been with Air Force ROTC for 24 years and has served as co-chair of the United Way campaign within undergraduate education for the past three years. During that time, her team was recognized for the highest increase in dollars raised within units of 100-200 employees.

Irwin also sits on the board of directors of the Penn State Educational Office Professionals and serves on the Staff Appreciation Committee and the Diversity Enhancement Committee for the Office of Undergraduate Education. For the past two years, Irwin has spent time as a conversation partner and English tutor of a young woman from Russia.

Irwin was honored for her unselfish work at both Penn State and in the community at large.

Leonard, an academic adviser for the past 20 years, was honored for willingness to teach others, his work in helping undergraduate students, improving the advising process at Penn State and his involvement in a variety of important initiatives.

Leonard was involved in the creation of the Comprehensive Academic Advising and Information System (CAAIS), a six-year collaborative effort of the offices of Undergraduate Education and Enrollment Management and Administration that gives tens of thousands of students direct access to academic information and advice.

Taking an active role in the development and implementation of *The Mentor*, an electronic academic advising journal, Leonard serves as managing editor. He helped create the DUS general education Web site for students and was involved in a number of other initiatives to help students. Leonard is chair of the Commission on Technology of the National Academic Advising Association.

History instructor wins teaching excellence award

Kevin W. Arawjo was awarded the 1999-2000 Excellence in Teaching Award at Penn State Lehigh Valley at the 14th annual Honors Convocation held recently at the campus.

The award is presented annually to recognize a faculty member who exemplifies teaching excellence and is nominated by faculty and students at the local campus.

The award includes a \$500 gift, which Arawjo has donated to the Penn State Lehigh Valley scholarship fund.

Arawjo has been a part-time member of the faculty at Penn State Lehigh Valley since 1995.

Additionally, he is an instructor of history and politics at DeSales University (Allentown College) in Center Valley since 1992; an instructor of history and

Business instructor is named DuBois Educator of the Year

A business instructor who continually motivates her students to achieve higher levels of excellence has been named the Educator of the Year at Penn State DuBois.

Annette Muth, instructor in business administration, received the award from the DuBois Educational Foundation, an advisory board to the campus. Each year the board presents the award to a faculty member who demonstrates excellence in teaching and who serves as a role model for students. The honoree is selected from nominations submitted by the student body.

Muth was praised for her quality of teaching and her ability to make accounting classes interesting and enjoyable.

Muth joined the Penn State DuBois faculty in 1998. She is a licensed certified public accountant and a member of the Pennsylvania Institute of Certified



Annette Muth

Public Accountants. She has 10 years of work experience in a CPA firm, and is currently pursuing a master's degree in business administration.

In 1995, she graduated with highest distinction with a bachelor of science degree in accounting from Penn State. In addition to her teaching responsibilities, Muth is a member of the campus computer committee, and has served on the Penn State of the Quarter Committee.

She also tutors graduate-level students in accounting and has coordinated Volunteer Income Tax Assistance (VITA) training sessions on campus for the Internal Revenue Service and state Department of Revenue.

For the past three years, Muth also has been a workshop presenter in the campus Math Options mentor program for seventh-grade girls.

Financial aid coordinator earns excellence award

Violet Byron, financial aid coordinator at Penn State Worthington Scranton, is the recipient of the campus' 2000 Ad-ministrative Excellence Award for service and achievement.

Byron, who was promoted to coordinator of financial aid in 1998, has been at Penn State Worthington Scranton since 1976. She holds an associate degree in business administration from the campus.

Byron has served as a volunteer for key campus programs relating to alumni, recruitment and fund raising. She was the recipient of the Gertrude Hawk Chocolates Inc. Award for outstanding performance and service to the campus community and also received the Penn State Worthington Scranton Campus Alumni Society 1993 Alumna of the Year Award.

She is an active member of both the campus Alumni Society and the Greater Scranton Penn State Chapter. She is active in many organizations both at the University and in her community.

Byron will retire from Penn State Worthington Scranton on July 31.



Violet Byron

Associate professor garners Cooper Memorial Faculty Fellowship

Nancy Wyatt, associate professor of speech communication at Penn State Delaware County, has received the University's first Cooper Memorial Faculty Fellowship. The three-year fellowship begins next month.

The prize is named for Jane Cooper, associate professor of biology at Penn State Delaware County from 1967 until

her death in 1999, who endowed the fellowship through a bequest. The fellowship provides supplemental funds to an outstanding faculty member to assist in continuing and furthering his or her contributions in teaching, research and public service.

Wyatt's research project will explore the efforts of thousands of grassroots vol-

unteers who envisioned and worked for social justice. She hopes to document the existence and importance of these groups and their movements, extend group communication research into new areas and revise theory to account for processes previously unstudied.

Wyatt joined Penn State Delaware County in 1985.



Partings

Physics professor retires with emeritus rank

Gerald Smith, professor emeritus of physics and former head of the Department of Physics, has retired from the Eberly College of Science after 17 years at Penn State.

Smith has received numerous honors and has held membership in many professional societies. He has served as author or co-author of 290 articles published in scientific journals and has presented 181 invited papers, lectures and seminars. He has supervised theses for 25 graduate students and 15 undergraduates.

As an administrator, Smith helped the Department of Physics acquire major computational facilities, establish an electronics shop and upgrade its machine shop during his tenure from 1983 to 1988. He also increased collaboration between

researchers at the University Park campus and other University locations; introduced microprocessors and workstations into the undergraduate curriculum; and secured additional funding to support junior faculty research programs and scholarship programs that help to improve the quality of graduate students entering the department.

His research, which has focused on atomic and nuclear antimatter physics and high-energy physics, has been supported by numerous funding awards



Gerald Smith

from public and private sources. The primary goal of Smith's most recent research is the creation, storage and study of antimatter and its application to propulsion, medicine, defense and other areas.

Before joining Penn State in 1983, Smith was a professor at Michigan State University from 1967 to 1982 and an instructor and assistant professor at the University of California at Berkeley from 1961 to 1967. He also served in various part-time and full-time visiting appointments, including his current appointment as faculty fellow and physicist for NASA.

He earned his doctoral degree in physics at Yale University in 1961, his master's at Yale University in 1958 and his bachelor's, magna cum laude, at Miami University of Ohio in 1957.

Professor with 35 years earns emeritus title

L. Peter Gold, professor emeritus of chemistry, has retired from the Eberly College of Science after 35 years at Penn State.

As a researcher, Gold focused on high-resolution spectroscopy of small molecules and has had 37 articles accepted for publication in professional journals. In the classroom, he has taught thousands of students in general and physical chem-

istry courses.

Over the years, he has participated in numerous activities and on several committees, such as the University Committee on Instructional Facilities, and has served as president of the Phi Beta Kappa chapter at Penn State. In addition, he served as acting associate dean for the Commonwealth Educational System and Continuing Education (1990-91) and as an

adviser to chemistry majors in the Schreyer Honors College. He's a member of the American Chemical Society and has been a member of the Nittany Valley Symphony since its founding in 1967, having served two years on the group's board of directors. Gold is a member of the State College Area Municipal Band.

Gold received his doctoral degree in chemistry at Har-

vard University in 1962. He also earned his master's and bachelor's degrees at Harvard University, both in chemistry, in 1959 and 1957, respectively. After three years as a research associate in the Department of Physics at Columbia University, Gold joined Penn State as an assistant professor of chemistry in 1965. He was named associate professor in 1970 and professor in 1993.

Senior academic adviser never missed a day in 27 years

Huey P. Jones, senior academic adviser in the Division of Undergraduate Studies, has retired from the University after 27 years. In those more than two-and-a-half decades of working for Penn State, Jones never took a sick day while he helped thousands of students discover and attain their educational goals.

As a strong student advocate during his tenure, Jones was responsible for helping students connect with potential disciplines of study and navigate the university system. The senior undergraduate studies adviser is a native of Baton Rouge, La., and received his formal education at Southern University, a historically black college in Baton Rouge, where he earned a master's



Huey P. Jones

degree in counselor education. Jones also earned academic credits in counseling and related subjects from West Virginia University and Marshall University.

Jones worked in a variety of positions at the Job Corps Center in Charleston, W.V., before coming to Penn State in 1973, where he joined the Division of Undergraduate Studies. Jones also served in the United States Navy from 1955-1959 on aviation

duties.

Among his many achievements and awards over the years, Jones was honored with the 1995 Multicultural Resource Center's Staff Recognition Award for consistently promoting multiculturalism and demonstrating concern for and sensitivity to the needs of students of color.

In his retirement, Jones plans to continue to be active in the State College community. He hopes to pursue a variety of activities with his wife, Ireen, and his family, and ultimately plans to return to his home state of Louisiana to help students be productive members of society.

Space studies pioneer retires

Wesley C. Hymer, professor of biochemistry and winner of Penn State's Faculty Scholar Medal for Life and Medical Sciences, has retired with emeritus status after 35 years on the faculty.

Internationally known for his pioneering space studies, Hymer was principal investigator in 1983 on the first experiment conducted aboard the space shuttle in which live cells were processed by electrophoresis, a separation technique. Over the next 10 years, he led five more cell studies that were conducted in space.

Hymer's space experiments with living cells developed conclusive evidence that the hormone output and activity of pituitary gland cells is adversely affected by the lack of gravity in space. These pituitary-hormone effects are now taken into account by NASA in planning for astronaut health during space flight.

In 1987, Hymer launched the Penn State Center for Cell Research (CCR), a NASA-sponsored center. Two years later, he helped develop the successful proposal that won Penn State participation in NASA's Space Grant College program.

By 1993, when NASA changed its focus and retired its Centers for the Commercial Development of Space program, including the CCR, the CCR had flown commercial experiments aboard four space shuttle missions and three sounding-rocket flights, developed four patented products, and renewed NASA's interest in electrophoresis as a space-processing technique.

The University awarded Hymer the Faculty Scholar Medal in 1990 for his achievements in space research as well as his ground-based studies of the pituitary gland. His studies of the pituitary also were recognized by the National Institutes of Health with a Research Career Development Award.

In retirement, Hymer plans to continue consulting and conducting cell research. He also is a member of the NIH Multidisciplinary Special Emphasis Small Business Innovation Research Study Section.

A native of Wisconsin, he earned bachelor's, master's and doctoral degrees at the University of Wisconsin-Madison. Before joining the Penn State faculty in 1965, he served as both a postdoctoral fellow and a staff fellow at the National Cancer Institute.

Number of longstanding employees end their decades of service with the University

Laura E. Frye, manager of human resources in the College of Engineering, from July 15, 1978, to May 1.

Kathryn R. Getz, staff assistant V in University Libraries, from Oct. 1, 1976, to April 30.

Janie V. Music, staff assistant VI in the

College of Agricultural Sciences, from Sept. 1, 1981, to April 29.

Mary E. Sprankle, residence hall utility worker in Housing and Food Services, from Aug. 31, 1977, to April 18.

Maxine M. Wagner, janitorial worker in the Office of Physical Plant, from March 26, 1979, to April 29.

Charles J. Wilson, department head, simulation and visualization and senior researcher in the Applied Research Laboratory, from March 15, 1985, to April 15.

Emeritus rank

The following individual has earned emeritus rank from the University for

his longstanding and productive years of service:

James D. Gallagher, campus executive officer emeritus in the Commonwealth College/associate professor of physical education, from Sept. 1, 1960, to June 30.

Making Life Better

Peace Corps efforts rated among best in the nation

By BILL CAMPBELL
Special to Intercom

Chrissy Boryenace knows firsthand what a life-changing experience the Peace Corps can be.

And, as Penn State's Peace Corps recruiter, she has helped the University move to fourth place nationally among colleges and universities with students currently serving as Peace Corps volunteers.

The latest official rankings show Penn State, which was ranked 12th nationally last year, tied with the University of Texas at Austin with 72 graduates serving as volunteers. The University of Wisconsin at Madison is first with 117, followed by the University of Colorado, 91, and the University of Michigan, 78. In a letter to President Graham B. Spanier, Mark Schneider, Peace Corps director, said the University's effort "is an outstanding contribution to the Peace Corps' legacy of service around the world and reflects the high caliber of the students who attend your institution."

Boryenace, a Purdue graduate who served in the Peace Corps in Paraguay, said Penn State currently has 80 alumni serving as Peace Corps volunteers and has had 985 volunteers since the inception of the Peace Corps in 1961.

"With interest in the Peace Corps remaining high, we expect to top the 1,000 mark in volunteers by this fall," she said. "Despite the economy and the availability of jobs, we find many students looking toward Peace Corps service. Some are unhappy with their career choice after graduation and want to take some time out to decide if that field is what they really want. Others want to see the world and give something back."

Jack Rayman, director of Penn State's Career Services and himself a Peace Corps alumnus, believes there is more interest among current students in service learning than in recent years.

"Since we are in the throes of an economic boom that we have never seen, many current students see there is more to life than making money," he said. "We are in a period of more altruism."

"Also, there is a greater interest in globalization and international travel. Being a Peace Corps volunteer is a very low-cost way to obtain serious international experience. You learn a great deal and get immersed in and have an understanding of another culture. And, until you experience another culture, you aren't able to really understand your own culture."

Peace Corps volunteers undergo three months of training and then serve two years in a designated country.

Boryenace, whose undergraduate degree was in botany and plant sci-

"Being a Peace Corps volunteer is a life-changing experience in many different ways. Most volunteers say it was of major importance in their lives. I think it changes you probably as much as anything could. It makes you appreciate more of the basic things in life."

Jack Rayman
director, Penn State Career Services



Chrissy Boryenace, the University's Peace Corps recruiter, served in the Peace Corps in Paraguay.

Photo: Greg Grieco

ences, worked with poor farmers in Paraguay, helping to identify and eradicate crop diseases and increase production. She also taught nutrition and cooking classes to help the farmers make more use of the vegetables they grew. After completing her service she traveled for four months in South and Central America. When she returned home, she decided to change careers and enrolled at Penn State as a graduate student in special education.

"It's not unusual for Peace Corps volunteers to change career goals after their experience," Rayman said. "In

fact, my experience in the Peace Corps caused me to go into higher education and spend my career in a more service-oriented field."

"Being a Peace Corps volunteer is a life-changing experience in many different ways. Most volunteers say it was of major importance in their lives. I think it changes you probably as much as anything could. It makes you appreciate more of the basic things in life."

Under a graduate assistantship jointly funded by the Peace Corps and Career Services, Boryenace spends 20 hours a week interviewing students

and answering questions about the Peace Corps. She also conducts information sessions and makes presentations to student clubs and classes.

"Our volunteers come from a wide variety of majors, including education, industrial relations, health, business, agriculture, international politics and the sciences," she said. "Most Penn State students are interested in South or Central America or Africa because of the strong language skills they have acquired at Penn State or because of other course work taken at the University. Most want a more active role and a more hands-on experience."

"We actively recruit for the Peace Corps at Penn State," added Rayman, who was instrumental in moving the Peace Corps position to Career Services where it can be seen by students who are undecided on a career or who are interested in international exposure.

"Students who never thought about Peace Corps service are exposed to the possibility as they move through Career Services. It is much more visible. Over the last three years we have significantly increased the number of applicants and the number of those who have been accepted for Peace Corps service. We clearly are pleased with that."

The Peace Corps recruiting effort at the University also is strongly supported by area Peace Corps veterans.

"There are some 100 former Peace Corps volunteers living in the area, many of whom are associated with the University," Boryenace said. "Many participate in panel discussions, outline their experiences and field questions from current students interested in the Peace Corps. They help us a great deal in our recruiting efforts."

Rayman has a strong attachment to the Peace Corps. His wife, Barbara, assistant to the dean and former student adviser in the Office of International Programs at Penn State, served with him as a volunteer in Malaysia, and his daughter, Janice, currently is teaching high school chemistry and physics in Axim, Ghana. He believes interest in the Peace Corps will continue for the foreseeable future.

"Not everyone has altruistic intentions, but I think the fascination with internationalism, worldwide travel and different cultures will continue," he said. "This is driven partially by the fact we are seeing more of the world because of the news media. Students have gotten more exposure to it in recent years and they want to experience it. On the other hand, there's always been a group of people driven by altruism."

Students, faculty or staff members interested in the Peace Corps should call Chrissy Boryenace, at (814) 865-2377, or stop by Career Services in 413 Bouckee Building, University Park.



Penn Staters

John M. Andr sen, a research associate with the Energy Institute, has been selected to receive the Brian Kelly Award 2000 from the British Carbon Group. He is receiving the award for his paper, "Correlation Between Pitch Structure and Fluidity for the Development of Superior Binders for Carbon Materials," co-authored with professors **E.J. Rosinko Jr.** and **H.J. Shupert**. Andr sen will travel to the First World Conference on Carbon in Berlin to present the Brian Kelly plenary lecture in July 2000. Andr sen also is associate director of the Applied Catalysis in Energy Laboratory. The Brian Kelly Award is given to outstanding young researchers in the field of carbon science. It was established to recognize the contributions of Brian Kelly, one of the most knowledgeable people in the study of the physics of graphite.

Stephen J. Benkovic, Even Pugh professor of chemistry and holder of the Eberly Family Chair in Chemistry, has received the Protein Society's Christian B. Anfinsen Award, which recognizes significant technical achievements in the field of protein science. Benkovic has been honored because his contributions to the interface area between chemistry and biology distinguish him as one of the world leaders in chemical biology. The award includes a monetary prize. In addition, Benkovic will present the award lecture during the Symposium of the Protein Society, scheduled for Aug. 5-9 in San Diego, Calif. An international organization, the Protein Society works to "promote interactions among investigators in order to explore all aspects of 'the building blocks of life.'"

Four Penn State Outreach and Cooperative Extension staff members have been elected to posts in the University Continuing Education Association (UCEA). The association is the principal U.S. organization for continuing higher education. **Patricia A. Book**, associate vice president for outreach and executive director of the Division of Continuing Education, has been elected to the UCEA board of directors, and she has been elected vice chair of the Commission on Leadership and Management. She also has been appointed chair of UCEA's 2001 national conference to be held in Philadelphia; **James E. Fong**, director of marketing research for the Outreach Office of Marketing Research, has been elected to the Commission on Futures and Markets, and has been elected chair of the Community of Practice on Marketing and Publications; **Michael E. Ostroski**, director of Conferences and Institutes, has been elected to the Commission on Learning and Instructional Technologies; and **Janet Patterson**, senior conference planner with Conferences and Institutes, is the new chair of the Community of Practice on Conferences and Professional Programs.

Recent paintings by **John Bowman**, assistant professor of art, were on display in a solo exhibition at Winston Wachtler Mayer Fine Art in New York City. This collection deals with the ornate and often cathedral-like theaters that served as an escape from the inequity and social problems of the past. To see some of his paintings, go to <http://www.winstonwachtler.com/> on the Web.

James Brasfield, senior lecturer in English, and Ukrainian poet **Oleh Lysheha** have received a PEN American Center award for their joint, book-length translation of Lysheha's poetry. *The Selected Poems of Oleh Lysheha*, published by the Harvard Ukrainian Research Institute. The center is a national association of literary writers with headquarters in New York. Lysheha, a Soviet dissident, was forbidden to

publish in the Soviet Union from 1972 to 1988. The translation of his poetry was completed during Brasfield's two Fulbright lectureships in Ukraine in 1994 and 1999. For more information on the PEN Literary Awards, check the Web at http://www.pen.org/awards/_/index.html.

Diane Brown, associate director of Penn State Outreach and Cooperative Extension, recently received the 2000 Distinguished Alumnus Award from Bridgewater College, Bridgewater, Va. She was honored "for her career achievements and for ... helping others reach their potential." Brown graduated from Bridgewater in 1966 with a degree in home economics education.

Laura Brown, senior undergraduate student adviser in the Division of Undergraduate Studies, has been honored by the National Academic Advising Association with an Outstanding Advising award. She will receive the award in a ceremony Oct. 7. The association has more than 5,000 members, including faculty, professional advisers, administrators, counselors and others serving the academic and vocational needs of students.

Cengiz Camci, associate professor of aerospace engineering, was named a Fellow of the American Society of Mechanical Engineers (ASME). ASME promotes the art, science and practice of mechanical engineering throughout the world. ASME Fellows are recognized for exceptional engineering achievements and contributions to the engineering profession. In addition, a paper authored by Camci received a best paper award from ASME's International Gas Turbine Institute. Camci was honored for his paper, "A Student-Executed, Industrial Gas Turbine Design Project with an Industrial Deadline."

John A. Ciciarelli, assistant professor of environmental science at Penn State Beaver, recently presented "The Geology of the Battles for Monte Cassino, Italy 1944" at the international Terrain in Military History Conference in Chatham, Kent, England. His presentation dealt with the dramatic influence geology, geologic history and terrain had on the ebb and flow of the World War II battle that raged over the first four months of 1944.

Rob Crasswell, professor of horticulture, spoke at the Fifth International Symposium on Apples in Cuauhtemac, Mexico.

Dennis Decoteau, professor and head of horticulture, was elected vice president of the education division for the American Society for Horticultural Science.

Ann Dodd, senior consultant with the Center for Quality and Planning, has been appointed by the director of the National Institute of Standards and Technology to the 2000 Board of Examiners for the Malcolm Baldrige National Quality Award. The award, created by public law in 1987, is the highest level of national recognition for performance excellence that a U.S. organization can receive. The board is composed of about 400 leading experts selected from industry, professional and trade organizations, education and health care organizations and government. Information about the Baldrige National Quality Program is available on the Web at <http://www.baldrige.org/>.

Stephanie Doores, associate professor of food science, was appointed to a two-year term as a member of the National Advisory Committee for the Microbiology

Criteria for Foods. The NACMCF provides scientific information to the Department of Agriculture, Department of Commerce, Department of Defense and Food and Drug Administration. Doores also serves on the Meat and Poultry Subcommittee.

After more than 30 years of service to Pennsylvania's low-income populations, the **Expanded Food and Nutrition Education Program** (EFNEP) in the College of Agricultural Sciences recently received a commendation from Gov. Tom Ridge. EFNEP aims to reach the state's most financially challenged residents and help them make the most of available resources. Since 1969, EFNEP has reached more than 198,959 homemakers and 426,543 youth.

Andrea Ellinger, assistant professor of adult education and coordinator of the doctoral program in adult education at Penn State Harrisburg, has been elected to the Board of Directors of the Academy of Human Resource Development. The Academy of Human Resource Development is an international organization that encourages the study of human resource development theories, processes and practices. In addition, in June, Ellinger will be honored as the "Alumni of the Year" at her undergraduate alma mater, Northwestern Connecticut Community College.

Rodney A. Erickson, executive vice president and provost, has been named a member of the steering committee for the AAU Graduate Education Project. The project is intended to educate opinion leaders in the government, academe, industry and the news media on what graduate education is and why it is important to society and the role that stakeholders must play for graduate education to remain strong in the United States. A major component of the project will be to determine what opinion leaders know or believe about graduate education and which messages are or are not effective.

Gabriela Gonzalez, assistant professor of physics, has been elected to the Executive Committee of the American Physical Society Topical Group in Gravitation. The group, created in April 1995 to serve as a focus for research in all areas of gravitational physics, has more than 500 members.

Robert A. Gray, assistant professor of electrical engineering technology at Penn State Erie, received the "Edison Award to Inventors" bronze medal and a cash award of \$500 at the annual GE Transportation Systems Engineering Awards event. He received the award for his invention "Method for Data Transfer from a Mobile Asset Considering Communication Link Quality," which is now in use by GE and has been formally submitted to the U.S. Patent Office.

Byong Ham, distinguished professor emeritus of industrial engineering, will receive the William T. Ennor Manufacturing Technology Award from the American Society of Mechanical Engineers at the society's International Congress in November. The organization promotes the art, science and practice of mechanical engineering throughout the world. Ham was honored for his outstanding contributions to the development and application of the group technology concept, as well as his implementation of computer integrated manufacturing and computer-aided process planning.



Penn Staters

Irving Hand, professor emeritus of urban and regional planning at Penn State Harrisburg, has been selected a Fellow of the American Institute of Certified Planners. Hand, well-known for his teaching and regional planning expertise, was recognized for his achievement in the field of urban and rural planning.

Mary Jo Haverbeck, former associate sports information director, has won the Arch Ward Award from the College Sports Information Directors of America (CoSIDA). The award is named in honor of the late sports editor and columnist of the *Chicago Tribune* and is presented to a member who has made an outstanding contribution to the field of college sports information or has brought dignity and prestige to the profession. Haverbeck is the 43rd recipient of the award and the first woman to receive the profession's highest honor. Haverbeck is credited with advancing sports in general, but particular women's sports, and with opening the doors for other female journalists to promote collegiate sports. Haverbeck recently became the first woman inducted into the CoSIDA Hall of Fame. She retired from Penn State in December 1999.

Susan Irwin, staff assistant in the Department of Aerospace Studies, has received the national Outstanding Civilian of the Quarter Award from Air Force ROTC. Irwin was cited for her excellent job performance, accomplishments and community awareness. The award is given to recognize professionals who have impacted the overall productivity and visibility of Air Force ROTC and Air Force programs. Penn State's unit is the largest Air Force ROTC detachment of any Big Ten school.

Michael Jacobson, assistant professor of forest resources, presented the paper "Evolution of Extension Forestry to Community-Based Natural Resource Management" at the International Union of Forestry Research Organizations Extension Working Party Symposium in Slovenia.

Iam-Choon Khoo, professor of electrical engineering, presented an invited paper, "Progress in Liquid Crystal Photorefractivity — Toward Supra Optical Nonlinearity," at the European Material Research Society Symposium, Strasbourg, France. He also gave a seminar at the Lille University, Lille, France.

Kay Kustanbauer, executive director of the Nittany Lion Club, has been selected as "Fund Raiser of the Year" for 2000 by the National Association of Athletic Development Directors (NAADD). Kustanbauer is the first person from Penn State to win the award, created to recognize fund raisers at NCAA Division I institutions "who have demonstrated significant achievement in athletic fund raising over their professional careers as well as the current year." The Nittany Lion Club has more than 18,500 members and underwrites grants-in-aid for more than 500 Penn State student-athletes. It also provides operational support for the University's 29 intercollegiate programs.

Robert Lima, professor of Spanish and comparative literature and fellow of the Institute for the Arts and Humanistic Studies, presented "Nosferatu: A play on the Vampire by Francisco Nieva" at the Second World Congress on Dracula held in Romania, in which he delineated the Spanish dramatist's version of the traditional theme against the background of modern European decadence.

Linda E. Meashey, coordinator of academic development at Penn State Harrisburg and licensed psychologist, gave an invited presentation at the 11th Annual

Conference for Teaching Academic Survival Skills. Her topic was "Sigmund Freud? B.F. Skinner?"

Gary L. Messing, director of the Materials Research Laboratory and professor of ceramic science and engineering, was given the Robert B. Sosman Award and Lecture of the American Ceramic Society. The award is the highest recognition of scientific accomplishment given by the Basic Science Division of the society and is given in recognition of outstanding achievement in an area that results in a significant impact to the field of ceramics. Messing delivered a society lecture on "Tailoring Ceramic Microstructures and Properties via Templated Grain Growth" at the annual meeting of the American Ceramic Society.

E. Willard Miller, professor emeritus of geography and associate dean emeritus in the College of Earth and Mineral Sciences, received a Service Award from the Pennsylvania Academy of Sciences for his contributions to the group. For more than 22 years, Miller has written two to six articles per year on a wide range of topics in the physical and human sciences for the *PAS Bulletin*, that organization's newsletter.

Robert E. Newnham, professor emeritus of solid state science, delivered the 2000 Byron Short Lecture at the University of Texas on "Functional Composites for Sensors, Actuators and Transducers." The lecture, which was co-sponsored by the Mechanical Engineering Department and the Texas Materials Institute, honors the memory of Byron Short, former dean of the College of Engineering at UT.

The **Nittany Lion Inn** has been selected to receive the 2000 Employment Award from The Arc-Pennsylvania. The award is presented annually to a business or company that has hired workers with developmental disabilities or has regularly purchased products made by workers with developmental disabilities.

The American Dietetic Association is honoring **Sara C. Parks** for her distinguished career as a hospitality educator, researcher and industry educator. Parks was recently named director of the School of Hotel, Restaurant and Recreation Management in the College of Health and Human Development. The association's board of directors invited Parks to present the 39th Lenna Francis Cooper Memorial Lecture at its Food and Nutrition Conference in recognition of her distinguished career and contributions to the profession.

Jorge Pullin, associate professor of physics, presented two invited talks in Valdivia, Chile. One, titled "Colliding Black Holes," was presented at the First Valdivia Astrophysics Meeting. The other, titled "Kinematics and Dynamics of Quantum Gravity," was presented at the Center for Scientific Studies.

Jack R. Rayman, director of career services, has been inducted into the National Association of Colleges and Employers' Academy of Fellows. The academy recognizes career services and human resources/staffing professionals for their advancement of knowledge, leadership and excellence in professional practice. Rayman oversees a department serving more than 38,000 students in nearly 200 majors. He also is affiliate professor of counseling psychology and education.

Stephen J. Reighard, multimedia and computer support specialist for the College of Communications' James Audio Laboratory, has been awarded the 2000 Pennsylvania Association of Broadcasters Faculty Fellowship. The four-week fellowship provides a university faculty or staff member the opportunity to

visit a radio or television station in Pennsylvania to become familiar with current equipment, techniques and developments in the field and bring the knowledge gained back to his or her university. Reighard will spend his time at the University's student radio station, WKPS. He plans to focus on educating students by serving as a full-time adviser to the station.

A. Catharine Ross, holder of the Dorothy Foehr Huch Chair in Nutrition in the College of Health and Human Development, presented an invited lecture at the British Society for Immunology and British Society for Allergy and Clinical Immunology joint congress, held in Harrogate, England, on "Regulation of antibody production and cytokine gene expression in vitamin A deficiency and by retinoids."

C. Frederick Sears, director of the Radiation Science & Engineering Center at the Breazeale Nuclear Reactor, was elected secretary/treasurer of the Nuclear Installations Safety Division of the American Nuclear Society (ANS). The ANS is an international scientific and educational organization that seeks to unify professional activities within the diverse fields of nuclear science and technology. The Nuclear Installations Safety Division promotes a better understanding of the role of safety in the design, construction and operation of nuclear reactor facilities.

Bill Sharpe, professor of forest hydrology, received the Pennsylvania Conservation Award for his research on acid deposition.

Willa Z. Silverman, associate professor of French, has been elected to a three-year term as president of the Association for French Cultural Studies. Founded in 1980, the association promotes the study of French civilization and culture in American colleges and universities through the organization of colloquia, the awarding of a book prize in French studies and the encouragement of research and teaching in this field.

Spiro Stefanou, professor of agricultural economics, presented the paper "Decomposing Productivity Gains Allowing Efficiency Gains and Technical Progress" at the Sixth European Workshop on Efficiency and Productivity in Copenhagen, Denmark.

Gerhard F. Strasser, professor of German and comparative literature, and 11 undergraduate and graduate students from his early modern studies seminar were invited to hold a "Guest Seminar" at the Herzog August Bibliothek, a research library in Wolfenbüttel, Germany. Strasser also presented a paper on "Natural Magic in 16th and 17th-Century Cryptography" at the triennial international Baroque Conference at the same location.

Fay Strickler, family and consumer science agent in Berks County, was recently elected second vice president of the National Board of Epsilon Sigma Phi (cooperative extension's professional organization).

"Better Kid Care," a monthly satellite training series for child care providers, was recognized by the American Distance Education Consortium as an "Outstanding Educational Program." The award was presented to **James Van Horn**, professor of rural sociology, the program's creator, executive producer and host.

Donald Waddington and **John Harper**, professors emeriti in the Department of Agronomy in the College of Agricultural Sciences, have been recognized by the Keystone Athletic Field Managers Organization for their pioneering work to improve the construction and maintenance of athletic fields. The two have had educational scholarships named in their honor.



Book Shelf

Peter Bordin, assistant professor of hotel, restaurant and recreation management, and **Carolyn Lambert**, associate professor of food systems management, both in the School of Hotel, Restaurant and Recreation Management, have helped create a cookbook with recipes designed to provide a family of four with tasty and nutritious meals for less than \$100 a week.

Recipes and Tips for Healthy, Thrifty Meals has been created by the pair in cooperation with the U.S. Department of Agriculture. The book is designed for anyone who wants to eat a healthy diet that meets federal dietary guidance at minimal cost.

The recipes in the book were developed and tested in the Food Service Research Kitchen at University Park in cooperation with the USDA Center for Nutrition Policy and Promotion (CNPP). Four-person families with limited incomes prepared and evaluated the menus and recipes for taste and quality.

The menu and recipe book, which has more than 40 recipes, also contains information on shopping, cooking healthy meals and food safety. Copies of the book can be downloaded in pdf format from the Web site of the Center for Nutrition Policy and Promotion at: <http://www.usda.gov/cnpp>.

Christopher Clausen, professor of English, has written a new book.

Faded Mosaic: The Emergence of Post-Cultural America, published by Ivan R. Dee.

In his book, Clausen argues that the United States has become the world's first post-cultural society. He said that America no longer has a single dominant culture that bestows on people a stable identity — or sets limits on their thoughts and behavior — as traditional cultures once did. He said Americans need to study other cultures in a penetrating and disciplined way to sort out some ways of living, some ways of making choices that we have to make, in a society where no culture places any demand on us. Clausen said we need to emphasize the positive aspects of this post-cultural condition while avoiding the shallowness, conformity and aimlessness that are its negative aspects.

E. Willard Miller, professor emeritus of geography and associate dean emeritus in the College of Earth and Mineral Sciences at Penn State; **S.K. Majumdar** of Lafayette College; **H.S. Pitkow** of Temple University; and **L.P. Bird** of Eastern College have co-edited a book.

Ethics in Academia has been published by the Pennsylvania Academy of Science.

In *Ethics in Academia*, authors tackle a wide variety of subjects surrounding issues in higher education. Topics such as the role of ethics education, college student development and minority education are also discussed. Other sections deal with curriculum, teaching and examinations, and also ethical and legal concerns surrounding the use of humans and animals in research. The rationality of affirmative action is also discussed, as well as the peer review criteria in faculty hiring, promotion and tenure processes.

The following Penn State faculty contributed chapters to the book: **Roger M. Downs**, professor of geography and department head; **Laurel S. Terry**, professor of law; **Stephanie A. Shields**, professor of psychology and women's studies; **George R. Simms**,

family medicine; **Kenneth J. Clarke Sr.**, director of the Center for Ethical and Religious Affairs; **Thomas G. Poole**, associate vice provost for educational equity; **Clyde Woods**, associate professor of African and African American studies; **James B. Stewart**, professor of labor studies and industrial relations and African and African American studies; **George J. Bugyi**, executive secretary, University Policy Senate; and **E. Willard Miller**.

E. Willard Miller, professor emeritus of geography and associate dean emeritus in the College of Earth and Mineral Sciences, and **Ruby M. Miller**, retired associate librarian at Penn State, have authored a book. This is the ninth book co-authored by the couple.

Natural Disasters: Floods is published by ABC/CLIO of Santa Barbara, Calif.

The book discusses the origins of floods, flood prediction, flood control, flood plan management and flood insurance. It also focuses on flood organization and laws regulating flood control, as well as provides a chronology of floods. A major bibliography lists books and studies in journals and the first chapter presents an annotated list of audiovisual materials.

Antonio Vallone, associate professor of English at Penn State DuBois, has had his latest collection of poems published by Damballah Press of Chattanooga, Tenn.

Golden Carp is Vallone's third published collection.

The book centers on such popular themes as nature and the human condition, as well as explores the important role mystery plays in life. The poems were written, according to Vallone, for people who don't think they like poetry. The book's title is derived from the poem Vallone believes is most representative of the others in the set. In the poem "Golden Carp," a tranquil carp ride triggers the reminiscence of a fishing trip taken on a summer day long ago.

Readers will find a sequence of artwork created by **Michael Feis** of State College, assistant professor of art at Penn State DuBois, in the center section of the book.

Vallone's other collections are *The Blackbird's Applause* and *Grass Saxophones*.

Stanley Weintraub, professor emeritus of arts and humanities, is author of a new book, *MacArthur's War: Korea and the Undoing of an American Hero*, published by Free Press, a division of Simon and Schuster.

The book offers a detailed account of the flawed command of the famed Army Gen. Douglas MacArthur, who initially was in charge of the U.N. and U.S. forces in the Korean conflict but later was fired by President Harry Truman. Covering events from June 1950 to April 1951, Weintraub conducted extensive research through University and American sources to create a rich tale in the voices of its participants. Go to <http://www.psu.edu/ur/2000/koreanwar.html> for more information.

Ann S. Pancake, assistant professor of creative writing and literature at Penn State Erie, is the author of a new short story collection.

Given Ground, which will be published by the University Press of New England in 2001, recently won the Bakeless Prize, a national award sponsored

by Bread Loaf Writers' Conference for a first book of fiction. Pancake will receive a fellowship to the Bread Loaf Writers' Conference next year.

Adam J. Sorkin, professor of English at Penn State Delaware County, has published a book containing translations of 32 poems by the Romanian poet Magda Carnei.

Poeme/Poems is a dual-language volume titled in both Romanian and English. The English translations were all done by Sorkin in collaboration with the poet. The 139-page volume was published in the "Colectia Gemini" series in Pitesti, Romania, by Editura Paralela 45.

Carnei is both a prominent poet who first came to be known in her native literature in the 1980s and an art historian with a doctorate from the School of Advanced Studies in the Social Sciences in Paris. Carnei works as senior researcher at the Institute of Art History in Bucharest and an associate professor in the American Studies Program at the University of Bucharest.

Adam J. Sorkin, professor of English at Penn State Delaware County, has translated 63 poems for a recently published book.

Triumph of the Water Witch, published by Bloodaxe Books in Newcastle upon Tyne, contains 63 poems by Romanian poet Ioana Ieronim. The 96-page volume was supported by a grant from the Arts Council of England and contains a foreword by Sorkin and extensive notes to the poems.

The Triumph of the Water Witch, which consists largely of prose poems, is Ieronim's lament for the loss of the thriving German community of Râsnov where she was reared. The town survived for eight centuries before being destroyed in four decades through the imposition of Soviet-style control and the restrictive political climate of Romania under Nicolae Ceausescu. Written during the worst years of the Ceausescu period, these are poems Ieronim never expected to see published.

The Triumph of the Water Witch is Sorkin's 13th book of poetry translations from the Romanian.

Francis T.S. Yu, professor of electrical engineering, is the author of a new book.

Entropy and Information Optics, a 338-page text, has been published by Marcel Dekker Inc. of New York.

The book focuses on developing more efficient optical communication and information processing systems. *Entropy and Information Optics* examines the relationship between entropy and information optics as the impetus for the research and development of high-speed, high-data-rate and high-capacity communications systems. The text serves as a reference guide for undergraduate and graduate students in electrical engineering who wish to specialize in optics, photonics and optical communications. Research engineers, scientists and technical staffs working in optical communication, photonic devices, sensing, storage, switching and networking also may find the book useful.

The book's numerous topics include Shannon's entropy theory of information; Gabor's communication theory; Brillouin's negentropy concept; Wigner signal representation, recovering and detection; linear systems; coherent and digital image restoration, differences and constraints; and optical channel encode.



Focus on Research

Vitamin D deficiency found to be linked to certain bowel diseases

By BARBARA HALE
Public Information

Research with mice at Penn State has demonstrated a connection between vitamin D deficiency and two bowel diseases that occur in one out of every 1,000 people in North America and Europe.

"Our experiments show that vitamin D deficiency worsens the symptoms of Chron's disease and ulcerative colitis," said Margherita T. Cantorna, assistant professor of nutrition and director of the research project. "Treatment with Vitamin D for as little as two weeks lessens the symptoms of these inflammatory bowel diseases (IBD) in mice."

Cantorna did her research with undergraduate Carey Munsick and Candace Bemiss, a master's degree candidate in nutrition.

"Vitamin D deficiency is more common in people who have inflammatory bowel disease. In addition, the anti-inflammatory drugs often used to treat IBD can cause bone loss as a side effect," said Cantorna. "Vitamin D taken in combination with these drugs may be able to reduce the effective dose of anti-inflammatory needed to treat the disease and decrease bone loss as well as treat the vitamin deficiency."

In research she conducted previously as a postdoctoral fellow at the University of Wisconsin, Cantorna had demonstrated a connection between vitamin D and two other autoimmune diseases, rheumatoid arthritis and multiple sclerosis. Autoimmune diseases are disorders of the immune system in which the body attacks itself. In rheumatoid arthritis, for example, the immune system attacks the joints, in multiple sclerosis the spinal cord and brain and in IBD, the gut.

"Since we had previously shown a connection between other autoimmune diseases and vitamin D, it seemed reasonable to explore the possibility of a connection in this case," she said.

However, Cantorna pointed out that there are other factors that suggest that vitamin D and IBD are linked. For example, IBD is more prevalent in North America and Northern Europe, which receive less sunlight than other parts of the world. Vitamin D is manufactured in the skin on exposure to sunlight and people make significantly less in northern climates, especially in the winter. The incidence of IBD in Canada, for example, is the highest in the world.

While Cantorna's research and



Working with mice, Margherita T. Cantorna, assistant professor of nutrition, found clear links between vitamin D deficiency and two inflammatory bowel diseases. While she cautions that those under treatment for Chron's disease and ulcerative colitis should continue to follow their physicians' advice, she said that healthy people should make sure they are getting enough vitamin D.

Photo: Greg Grieco

IBD's geographical distribution suggest a connection between vitamin D status and the incidence of IBD, Cantorna cautions that vitamin D's exact role is still unclear.

"I think that if you are a patient who has been diagnosed with IBD, it would be best to continue to follow your personal physician's advice," she said. "It wouldn't be a good idea to

begin taking the vitamin D pills available over-the-counter because of possible problems with absorption. In the experiments, we treated the mice that had full blown symptoms with an active form of vitamin D to circumvent the absorption problems."

"However," she added, "for healthy people, it makes sense to make sure that you are vitamin D adequate."

FROM THE EXPERTS

Tips to keep your cookout safe

Summer is the season for backyard grilling, but the same heat and humidity that drives you from the kitchen and out to the patio grill can promote food-borne illness, said a food safety expert in the College of Agricultural Sciences.

"Illnesses from undercooked foods and improper food handling skyrocket during the summer," said Dana McElroy, food safety specialist in the Department of Food Science.

McElroy said food-borne pathogens grow fastest in temperatures between 90 and 110 degrees F. Bacteria also need moisture to flourish — a requirement supplied by the humid weather of summer.

Symptoms from food-borne illnesses may include stomach pain, nausea, vomiting, diarrhea, headaches and fever. Healthy adults often weather the sickness in a day or two. However, young children, senior citizens, pregnant women and people with impaired immune systems can become very sick or even die from these illnesses.

McElroy suggests a few simple guidelines to make sure your cookout doesn't include a trip to the emergency room.

- Wash hands and surfaces with hot, soapy water before handling food and after using the bathroom.

- Pack disposable washcloths and paper towels for cleaning hands and surfaces.

- Wrap raw meats securely and separate them from ready-to-eat foods within a cooler.

- Wash plates, utensils and cutting boards that have contacted raw meat before using again.

- Check the internal temperature of meats with a thermometer. Ground beef should reach at least 160 degrees F. Whole steaks and roasts should reach 145 degrees F for medium-rare. Other roasts should be cooked to 160 degrees F for medium and 170 degrees F for well-done. Whole poultry should reach 180 degrees F for safety.

- Do not let partially cooked meat sit on the counter. Pre-cooking meat in the microwave or range is a time-saver, but make sure the meat goes directly from the oven or microwave onto the grill.

- Marinate raw fish, meat or poultry in a glass dish in the refrigerator. Do not use the marinade as a basting sauce or dip if raw meat has been placed in it.

- Throw away any leftover food, hot or cold, that has been left out for more than an hour.

- Charcoal should burn for 30 minutes before cooking. The coals should have a light ash coating for best results.



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Taking shape



Workers are busy both inside and on the roof of the Hintz Alumni Center addition to University House on the University Park campus. The 19,000-square-foot addition is due to be completed in January 2001. For construction updates, check the Web at <http://www.alumni.psu.edu/council/intro.html>.

Photo: Greg Grieco

Penn College has updated master plan

An updated master plan for the Pennsylvania College of Technology in Williamsport, which covers the next five years of expected land use and possible construction, was presented last month to the college's board of directors. The plan is the latest in a series drafted since 1967 and represents the college's systematic look toward the future.

"This planning document represents our best current assessment of the college's future direction in terms of its property holdings and physical plant development," said William J. Martin, senior vice president at the college.

Calling the plan a "blueprint for the future," the senior vice president said planning is predicated on an analysis of enrollment projections; existing facility conditions and renovation requirements; safety and security; zoning and

related restrictions; and land availability.

One project outlined in the plan addresses student housing — which was a primary concern identified by officials at the college who set a goal to provide more on-campus housing for at least 1,000 students. Penn College recently purchased the neighboring College West Apartments from HFL Corp. of State College for \$7.65 million, which is currently undergoing renovations expected to cost approximately \$1.5 million. Along with this acquisition came nearly five acres of open space that now requires site planning to determine its best use.

The master plan takes into account future growth at the campus and the possible need for more student housing, as well as land use options and the addition of classroom facilities. The only new construction suggested for completion

within the life of the current master plan is the College Services Center, which would house admissions, financial aid, student accounts, the registrar's office and residence life operations.

This summer, renovation work to various buildings on campus is being completed, including classroom renovations and the addition of a new hospitality laboratory, as well as new space for campus police and special housing needs. College land holdings total nearly 940 acres and enrollment at Penn College has increased by 1,000 students over the past decade.

Penn College President Davie Jane Gilmour said keeping instructional facilities up-to-date is imperative to the success of the college, which must respond quickly to industry needs and the rapid changes in technology.

Rural communities to benefit from University nursing initiative

An ongoing initiative by Penn State's School of Nursing to provide rural areas in the state with better access to health care recently received a boost in funding in the form of a three-year, \$900,545 grant from the Department of Health and Human Services.

The grant is intended to help recruit, retain and graduate bachelor-prepared nurses from rural communities into Penn State's Family Nurse Practitioner master's degree program. The program

is for nurses who want to function in an expanded role as a family nurse practitioner, providing direct care to individuals and families throughout the life span.

The project, which started July 1, is under the direction of Elizabeth J. Corwin, assistant professor of nursing and coordinator of the Family Nurse Practitioner program. The program incorporates interactive video and Internet-delivered courses to better meet the

needs of nurses in rural communities who otherwise would be isolated from educational opportunities.

Corwin said educating family nurse practitioner students in their rural home communities should increase the likelihood that they will remain at home to practice after graduation. This project addresses the needs of bachelor-prepared nurses in Elk, Tioga, Luzerne, Franklin, Fayette and Mercer counties.



Intercom

INFORMING THE PENN STATE COMMUNITY

JULY 27, 2000

Students get satisfaction from listening to complaints

BY BILL CAMPBELL
Public Information

When a Huntingdon County resident was charged for phone calls she didn't make, she turned to the Pennsylvania Bureau of Consumer Protection's Complaint Mediation Unit in State College for help.

Brian Cunningham, a Penn State senior, investigated the complaint, contacted the telephone company and resolved the issue to the satisfaction of the consumer.

"The complaint didn't involve a large monetary sum, but the consumer was happy with my return calls and the effort made to solve the problem," he said. "She even sent a letter thanking us for settling the complaint. That was very gratifying."

Cunningham, an administration of justice major, is one of a number of Penn State students who have been mediating complaints in the office since it was established last spring. The office, located at 417 East Calder Way in the borough, is one of a number of consumer complaint offices established throughout the state by Attorney General Mike Fisher to assist the public in settling disputes.

The State College office is a unit of the Ebensburg Regional Office, which covers nine counties and annually receives some 3,000 complaints from residents who have problems with goods and services or company advertising.

The student mediators receive consumer complaints by phone or mail. They review the complaint and the business response to it, and try to resolve it and determine if there is any violation of law.

"Their first concern is to try to resolve the consumer's problem," said E. Barry Creany, senior deputy attorney general in the Bureau of Consumer Protection and director of the Ebensburg Regional Office. "They

Don't worry, bee happy



Checking out the University's honey bee population at hives at University Park is Maryann Frazier, a senior apiculture extension associate in the Department of Entomology. Frazier and others in the department perform extensive research into the health of honey bees, looking for treatments that might solve the growing parasitic mite infestations that in recent years have devastated honey bee populations worldwide. This dramatic loss in honey bees affects their estimated \$9.3 billion per year value as providers of pollination services for agriculture in this country. For instance, Pennsylvania's apple crop — the fifth largest nationally — is 95 percent dependent on honey bees for pollination.

For more information on honey bee research at Penn State, visit the Web at <http://beelab.cas.psu.edu/>.

Photo: Greg Gricio

Officials say University won't tolerate recent unruly behavior

Editor's note: For a message on the disturbance from President Graham B. Spanier, please turn to page 3.

Sanctions will be levied and expulsion is possible for students convicted of rioting behavior and other felonies and misdemeanors during disturbances on Beaver Avenue on July 16, following the Central Pennsylvania Festival of the Arts.

In a press conference July 17 at the State College Borough Building, William Asbury, Penn State's vice president for student affairs, said the University "takes these offenses seriously and students found guilty will be prosecuted through the University judicial system as well as through the courts." Asbury was joined at the news conference by borough Police Chief Tom King, police Lt. Diane Conrad and Ray Gricar, Centre Coun-

Unruly, page 3

Sloan Foundation renews its support to World Campus

The Alfred P. Sloan Foundation has awarded a \$1 million grant to Penn State in support of its World Campus, the University's online distance learning program. The grant recognizes Penn State's leadership in developing and delivering innovative and high-quality educational programs that meet the needs of learners that would not otherwise have access to a campus-based program. Enrollment in the World Campus is approaching 3,000.

In 1997, the Sloan Foundation first awarded a \$1.3 million grant to Penn State to help launch the World Campus. Last year, the World Campus received an additional \$1 million.

Since then, the World Campus has created a content-rich and interactive online learning environment that brings together the quality and

Sloan grant, page 2

Complaints

Continued from page 1

have produced tremendous results. They are available to spend more time on individual cases and they do a commendable job working with consumers and with businesses."

Creany said that using student mediators has also freed up consumer protection agents to perform more investigations of possible deceptive practices and has allowed them to make further efforts in informing the public on consumer laws and their rights under those laws.

"At the same time, I believe the experience has been really beneficial to the students," Creany said. "It is a real life-type experience and they are given a great deal of responsibility. Some of our interns plan to go to law school and this work gives them a real taste of consumer law. Others are involved to determine if the law is the right career for them."

The student mediators come from a number of colleges, including the College of the Liberal Arts, The Smeal College of Business Administration and the Schreyer Honors College, and represent a range of majors, from administration of justice and psychology to philosophy and English. On average, there are 11 or 12 mediators in the office each semester. Of this summer's 11 mediators, two are serving an internship for credit, one is a work-study student and the others are volunteers.

According to Elena DeLuca, law school resource coordinator in the College of the Liberal Arts, volunteering in the complaint mediation unit gives students a feel for working in a legal environment and a sampling of Pennsylvania law. She said it also helps with their written and oral skills and helps them refine their research skills.

"It gives them some very important practical experience," she said. "They learn what it's like to be in a professional or business environment. They learn it's not all glory. There is a lot of mundane everyday work that has to be done."

DeLuca said the students have been involved in a number of cases that have been especially relevant to them. Last spring, she took 29 students to Ireland on an internship experience and there was a situation where the airline didn't fully meet its contractual agreement. When they got back, she turned the problem over to one of the student mediators who followed through and resolved the issue.

Alison Moses, a senior philosophy major who plans to go to law school, served a one-credit internship with the unit when it first opened in spring 1999, working on a project mediating complaints of students against travel companies during spring break. She has been working since as a work-study student and plans to continue until she graduates.

"I get a great deal of satisfaction from helping fellow students successfully resolve their complaints," she said. "I've been involved in a number of landlord-tenant cases and, in many instances, stu-



Alison Moses, a Penn State senior, shows the large volume of complaints on file with the Pennsylvania Bureau of Consumer Protection's Complaint Mediation Unit in State College. Student mediators from Penn State are helping the office resolve many problems brought to their attention by consumers.

Photo: Greg Gineco

dents are not aware of their rights and responsibilities. Working here has made me more aware of what could happen and I read my own lease much more carefully."

Moses said she also has handled numerous cases involving the elderly that are often the result of miscommunication.

"We can talk to the consumer from another perspective and let them know what is going on. We often get involved in a three-way telephone conversation with the consumer, the business and the mediator. Simply by listening, we can determine if something has not been understood and we resolve a lot of cases that way."

Moses also has learned that in dealing with complaints, the dialogue and rhetoric needs to be shelved in order to identify the real issues.

"When someone else, such as our unit, gets involved, and the business gets a letter from the attorney general, they often are easy to deal with," she said. "They seem to have respect for the office and the mediators. Most of the time they are willing to resolve the issues."

Tim Shirey, head agent in the unit, said the student mediators have done extremely well in resolving problems before they reach a point of civil litigation.

"Of a recent 700 cases, we closed 634 of them satisfactorily," he said. "In other words, they were resolved to a positive satisfaction to the consumer. There always is an agent in the office to screen complaints and assist the students. When there is a violation that needs to be addressed, we issue warning letters and our agents follow up. We investigate and, where needed, institute legal action."

Adam Witmer, a recent Notre Dame graduate, is serving as a summer volunteer in the unit. A resident of nearby Bellefonte, he plans to go to law school at Notre Dame or Cornell University.

"Working here has been a great experience because I'm interested in mediation as a career," he said. "Our efforts have been very productive in that we like to have the two parties work it out as best they can. Often, simply providing a third-party opinion helps resolve the issues."

Creany said student mediators are providing a real service to Pennsylvania consumers and educating businesses on business practices and customer relations.

"It's a three-way benefit to the students, consumers and business," he said. "I have been really pleased with it."

Consumers with problems may call the Complaint Mediation Unit toll-free at 1-800-441-2555.

Sloan grant

Continued from page 1

expertise of faculty members and instructional designers, the flexibility of advanced information technologies, and the support of comprehensive, distance-based learner services.

The new grant will help Penn State continue its leadership in Asynchronous Learning Networks (ALNs). In asynchronous learning environments, students and faculty do not need to meet at the same time or place in order to exchange ideas (as with e-mail or bulletin boards, for example). The Sloan Foundation supports the use of this technology to reach learners and encourages institutions to make the leap to distance learning on a large scale.

Since 1993, the foundation's ALN program has provided 136 grants to more than 50 institutions. More than \$4.7 million in grants was awarded last year alone.

Having completed its second full year of operation, the World Campus now provides 155 course offerings in 18 certificate and degree programs, and many more programs are in development. University officials expect to have 10,000 enrollments in 300 courses and 20 degree and certificate programs by 2003.

Little League team to discover American culture

Baseball, hot dogs and apple pie are a quintessential part of the American experience — but so is ecology — and 13 members of Japan's national Little League team will learn more about the environment during an international explorer camp Aug. 13-17 at Shaver's Creek Environmental Center near the University Park campus. The Japanese children will be in Pennsylvania for the Little League World Series in Williamsport, which begins Aug. 18.

The team will join 17 area children between the ages of 12 and 13 who represent diverse countries and backgrounds, including Pakistan, Kazakhstan and Sweden, among others.

All children will participate in team-building and adventure activities that will foster the exchange of cultural understanding and aid them in understanding how they fit in the natural world and how to preserve it.

Camp activities will include a forest ecology walk; an aquatic ecology walk to learn more about water use and to sample the water quality of streams; and rock climbing, caving and swimming.

The Japanese team also will play a baseball game with the State College Little League team. For more information about upcoming programs, contact Shaver's Creek at (814) 863-2000, or visit the Web at <http://www.ecde.psu.edu/ShaversCreek/>.



An Open Letter to the Penn State Community

Editor's note: Following is an open letter from Penn State President Graham B. Spanier to the Penn State community relating to events on July 16 in which 15 people were arrested during a widely publicized disturbance in downtown State College.

Many Penn State students were involved in a major disturbance in downtown State College in the early morning hours of July 16, and several of them were arrested.

It is difficult to describe the disappointment and frustration that is felt by those who care deeply about Penn State when students or alumni act in an irresponsible manner. This sort of behavior is unacceptable to the University and the community, and we must all work to be sure that it is not repeated. Students who were arrested will face appropriate sanctions through the University's Judicial Affairs system.

The events of July 16 should lead us, as an institution, to redouble our efforts to curb excessive

alcohol consumption. It was a significant factor in this year's incident, as it was in the riot two years ago. But such episodes also alert us to the need to promote greater civility, civic responsibility and respect for others. Drunken, destructive behavior cannot be tolerated by Penn State.

I urge everyone at Penn State to become familiar with the issues surrounding the excessive consumption of alcohol. We must also think about the values that surround us and how we can use the University's education forum to elevate our thinking about values. I hope that the entire University community will speak with a unified voice in condemning the sort of behavior that occurred on July 16, while helping in every way possible with the search for solutions.

Sincerely,

Graham Spanier

Artist's touch



Kathryn Murken, an undergraduate student from Pittsburgh who is majoring in art at University Park, prints another portion of an etching that is part of her current display of work in the Ritenour exhibit area on campus. Her exhibition is titled "Route 550 South: Images by Kathryn Murken," and runs through Aug. 17.

Photo: Greg Gricar

Unruly

Continued from page 1

ty district attorney.

Nine of the students arrested were bound over for trial in Centre County Court on July 19; others are scheduled for preliminary court hearings next week and in August.

"This is a black eye for Penn State," Asbury said. "We are disappointed and angry that people have used the occasion of the Arts Festival for such irresponsible behavior. As president of the Arts Festival board, I can also say that the board is frustrated that behavior that really has nothing to do with the Arts Festival is associated with a such a successful community event. We are not going to let a group of unruly drunk destroy the tradition of 34 years."

By 2:30 a.m. Sunday, July 16, about 2,000 people — many of whom were drunk — had congregated along "Beaver Canyon," an area along Beaver Avenue off campus that is lined with high-rise apartment buildings. The crowd had been chanting "Let's go Penn State," but some of those in the crowd had reportedly

changed their chant to "Let's go riot," and had begun to throw bottles and other items into the street and at police officers — while others cheered them on. Two police officers were injured, one received minor head injuries from a thrown crowd block. The crowd was repeatedly asked by police to disperse, but did not.

Confronted with riotous behavior, borough police, assisted by Penn State and state police, donned riot gear, used pepper spray and were able to bring the situation under control within about two hours.

In 1998, a small-scale riot broke out at the Beaver Canyon site and more than a dozen officers were injured and \$150,000 worth of damage occurred.

As a matter of course, about 60 to 70 borough and other police officers are on duty in the Beaver Canyon area on football and special event weekends, primarily to keep the street clear. The area, with several eateries open after the bars close at 2 a.m., is a popular late-night gathering place, but it is not usually a serious trouble spot. According to King, borough police have undergone extensive crowd training and

have better equipment than they did at the time of the 1998 riot.

"On Sunday, quick, professional and decisive response by the police helped keep the personal injury and damage to a minimum — considerably less than the 16 injuries and \$150,000 in damages to borough and private property in a similar but more dangerous situation in 1998," said Asbury.

Damage on July 16 this year included \$3,000 to borough property — the destruction of a light pole, several street signs torn from posts and several police car tires slashed — and \$1,000 for a large plate glass window in an apartment complex on Beaver Avenue.

As of July 21, 15 people have been arrested for rioting behavior, failure to disperse, aggravated assault, resisting arrest, criminal mischief and/or public drunkenness and four have received summary citations. Eleven were identified by police as being Penn State students enrolled last semester or this summer. State College police have asked the public to share their videos of the events to better

identify others suspected of offenses. Several videos have been received and police have posted segments of them on the Internet for further identification (www.gowstate-college.pa.us/).

"I believe the evidence we have now will support the convictions of those already arrested, and that we will be able to make several more arrests after studying the videos," said Gricar.

Asbury, who initiated the University Park Campus — Community Partnership early in 1998 to help reduce high-risk behavior in the consumption of alcohol at Penn State and in the community, said the committee will put renewed effort into developing behavioral and environmental strategies to reduce drunken behavior. State College Borough Council also plans to address the issue.

In addition, Penn State will continue its considerable efforts to make students aware of the consequences of problem drinking.

For more on the University Park Campus — Community Partnership, go to http://www.psu.edu/ATOD/u_phonepage.html.

More than 50 percent of student-athletes earn 3.0 GPA

A summary of academic performance for the 2000 spring semester has revealed that 146 Penn State student-athletes posted a grade point average of 3.5 or higher, according to Athletic Director Tim Curley.

For the semester recently concluded, Curley said a total of 355 student-athletes had a GPA of 3.0 or above — that's 51.7 percent of the 669 young men and women who were actively participating in Penn State's 29 varsity sports during the spring semester. There are approximately 800 Penn State student-athletes, including those who are medically unable to participate or whose competitive eligibility has been exhausted but are working toward their degree.

During the 1999 fall semester, 52.1 percent of Penn State's active student-athletes (370 of 710) earned a 3.0 gpa or above.

The efforts of Penn State's Morgan Academic Support Center for Student-Athletes again were reflected in the latest NCAA graduation rate report, which showed that 78 percent of Lion student-athletes who began their careers in 1992-93 graduated in six years, compared to a 58 percent national average.

Eight Lion student-athletes earned GTE All-America honors in 1999-2000, the second-highest total in school history. Penn State had 43 GTE Academic All-Americans in the past six years.

Psychologist and jazz great to receive honorary degrees in August

By AMY NEIL
Public Information

Developmental psychologist Urie Bronfenbrenner and jazz scholar, performer and composer William "Billy" Taylor will be awarded honorary degrees during summer commencement ceremonies at University Park on Aug. 5.

Bronfenbrenner will receive an honorary doctor of humane letters and will be the speaker at the undergraduate commencement at 10:30 a.m. Saturday, Aug. 5, in The Bryce Jordan Center. Taylor will receive an honorary doctor of fine arts degree and will speak at The Graduate School commencement at 2:30 p.m. Saturday, Aug. 5 in Eisenhower Auditorium.

Bronfenbrenner is the Jacob Gould Sherman professor emeritus of human development and family studies and psychology at Cornell University. He is internationally known for his ecological theory of human development that has changed the way many behavioral and social scientists approach the study of human beings and their environments. Bronfenbrenner also has played an active role in the design of developmental programs for children and adults in the United States and was one of the founders of Head Start, a child development program that has served low-income children and their families since 1965.

Born in Moscow in 1917, he came to the United States at the age of 6. He received bachelor's degrees in psychology and music from Cornell University in 1938, and later received his doctorate in developmental psychology from the University of Michigan.



Urie Bronfenbrenner



William "Billy" Taylor

Ecology of Human Development: Experiments by Nature and Design, published in 1979. He holds six honorary degrees, three of them from European universities, and was the 1985 recipient of the Stanley Hall Award from the American Psychological Association. He also has received the Kurt Lewin Memorial Award from the Society for the Psychological Study of Social Issues in 1997, among others.

Taylor holds the Wilbur D. Barrett Chair of Music at the University of Massachusetts at Amherst, is the Duke Ellington Fellow at Yale and adviser for jazz at the John F. Kennedy Center for the Performing Arts in Washington, D.C. In a career that has spanned six decades, he has shared his music with people around the world through performance, recordings, lectures, public arts initiatives and television.

Taylor began playing piano at age 7. Following graduation from

Summer commencement

Penn State will hold 2000 summer commencement ceremonies at University Park on Saturday, Aug. 5. As of July 14, an estimated 13 associate, 1,239 baccalaureate and 596 graduate degrees will be granted. Undergraduate ceremonies will begin at 10:30 a.m. in The Bryce Jordan Center and The Graduate School ceremonies will begin at 2:30 p.m. in Eisenhower Auditorium.

Throughout the Penn State system, an estimated 237 students will graduate with associate degrees, 1,417 with baccalaureate degrees, and 756 with graduate degrees, for a University-wide total of 2,410 summer graduates.

His widely published contributions include *The*

Virginia State University in 1942, he moved to New York where his popularity on 52nd street led him to play with Billy Holiday, John Coltrane and others. Taylor earned a doctorate in music at the University of Massachusetts, where he later became a professor.

Taylor has performed at the White House seven times and is one of only three jazz musicians ever appointed to the National Council on the Arts. His contributions to jazz have been recognized with many awards including the National Medal of Arts, two Peabody Awards, an Emmy and the first Certificate of Recognition given by the U.S. Congressional Arts Caucus.

Penn State awards honorary degrees to scholars, performers, artists and practitioners in academic fields, or individuals who have made particularly distinguished contributions to society in areas such as public service, business or government. This year's recipients were nominated by a 15-member faculty committee and approved by President Graham B. Spanier and the Board of Trustees.

Grant continues efforts to preserve collection of Latin American leader's personal library

The Penn State University Libraries will continue their preservation of the Luis Alberto Sánchez Collection with the assistance of a \$54,000 grant from the National Endowment for the Humanities (NEH). The funds are part of the \$885,000 grant NEH awarded to the Committee on Institutional Cooperation for its sixth coordinated microfilming project.

Sánchez (1900-1994), a Peruvian statesman and scholar, was a major political and literary force in Peru for 40 years and taught at numerous major universities around the world. He was a pioneer member of the

On the Web

The Luis Alberto Sánchez Collection is cataloged and accessible through the Web at <http://www.lilas.psu.edu>. For more information, contact L. Suzanne Kellerman at (814) 863-4696 or e-mail lsk@psuillas.psu.edu.

the APRA (American Popular Revolutionary Alliance), and held several government positions.

The Sánchez collection is reported to be "one of the largest and most extraordinary personal libraries in Latin America."

according to Joseph C. Holub, Iberoamerican bibliographer at the University of Pennsylvania. Surveys indicate that only 30 percent of the holdings are available in other North American countries, and anecdotal information suggests that much of the material is not even available in Latin American countries.

In 1969, Penn State acquired Sánchez's personal correspondences and private library of 40,000 volumes. The collection includes works by and about major figures in Latin America.

The current project will preserve 527 brittle volumes from the Sánchez History and Political Science Collection by reformatting them into archival-quality microfilm. L. Suzanne Kellerman, Judith O. Sieg chair for preservation and head of the preservation department, is managing Penn State's efforts in addition to serving as overall director of the coordinated project. As project director, she will be overseeing the preservation efforts of the nine participating CIC libraries for a two-year period, beginning in October 2000. Portions of the Sánchez collection were preserved in previous CIC projects.



Private Giving

Family makes two gifts to Penn State Erie for student scholarships

William M. and Martha Hilbert and their sons have made two gifts to Penn State Erie totaling \$300,000 to establish two scholarship endowments.

A \$50,000 gift by the board of directors of Reddog Industries established the Reddog Industries Inc. Scholarship Endowment. A \$250,000 gift by the Bill Hilbert and Martha Hilbert Community Foundation Endowment Fund created the PHB Inc. and Reddog Industries Inc.

Scholarship Endowment.

William M. Hilbert Sr., CEO of Reddog and PHB, is a member of the Penn State Erie Council of Fellows, which advises the college's leadership in the area of strategic planning, with a particular emphasis on economic development.

The Hilberts' sons play lead roles in managing Reddog Industries: William Hilbert Jr. is vice president and chief

operating officer; John L. Hilbert is president and director of sales & engineering; and Joseph M. Hilbert is vice president and director of purchasing. Reddog is located in Erie, and PHB is based in Fairview.

William Hilbert Sr.'s association with Penn State Erie dates back to the late 1950s when he took continuing education classes as a tool and die maker. He served on a steering committee of busi-

ness executives that advised the college as it started a new plastics engineering technology program in the 1980s — now recognized as a national model. In addition to serving on the Council of Fellows, Hilbert is a member of the college's Entrepreneurship Advisory Board and its Industrial Machining Advisory Committee. He also advised the college as it developed a new associate degree in manufacturing technology.



Appointments

Graduate School gains new senior associate dean

Regina Vasiliatos-Younken, co-chair of the intercollege graduate degree program in physiology and professor of endocrine physiology and nutrition, has been named senior associate dean of The Graduate School, effective Aug. 1.

The senior associate dean is the operations officer for many aspects of the management of Graduate School activities, which include strategic planning and plan implementation; budgetary responsibility for Graduate School operations, including the intercollege graduate degree programs; participation in and provision of guidance for selected Graduate Council committees; supervision of Graduate School staff; and preparation of special reports and analyses of graduate education issues.

Vasiliatos-Younken joined Penn State in 1983 as assistant professor of poultry science and became a senior member in the faculty of The Graduate School in 1989. She has served on numerous com-

mittees related to graduate education at the college, department and University levels and, in 1998, served as the co-chair of the Committee on Graduate Student and Faculty Affairs of Graduate Council. She is an active member of a number of professional societies, including the American Association for the Advancement of Science and the American Society of Animal Science.

Her research is represented by more than 75 published papers in refereed journals and non-refereed journals and proceedings, and has been supported by grants and contracts from the Pennsylvania Department of Agriculture, the U.S. Department of Agriculture, pharmaceutical companies and other private sector entities.

Vasiliatos-Younken holds a B.S. degree in animal and pre-veterinary science from the University of Maine at Orono and a Ph.D. in animal nutrition from Penn State.

Network and information manager joins Schuylkill staff

John V. Roberts has been appointed manager of network and information systems at Penn State Schuylkill. In his new role, Roberts will determine and identify needs in hardware, software and telecommunications, coordinate programs with the University Office of Telecommunications and Center for Academic Computing, and maintain the

campus local area network.

Roberts was formerly a support analyst for Carpenter Technology in Reading, and previously served more than 20 years with Geisinger System Services and Geisinger Medical Center, Danville. He holds a bachelor's degree in computer and information science from Bloomsburg University.

Associate dean named in Office of International Programs

Lew Jillings will join the University Office of International Programs as associate dean

on Aug. 1. Currently director of academic affairs at Penn State Mont Alto, Jillings spent 20 years at the University of Stirling in Scotland, where he combined teaching and research.



Lew Jillings

In Scotland, Jillings served in a variety of faculty administrative positions, including head of the department of German; faculty representative on the University Court (the equivalent of the university's board of trustees); associate dean for education; and as a member of the university's Academic Council.

Jillings, whose area of expertise is medieval German language and literature, traveled to California in 1990 on a Fulbright grant in a personal exchange with a faculty member at the University of California, Davis. He remained in California, becoming a visiting faculty member at UCLA, 1991-93, and returning to UC Davis in 1993.

Jillings came to Penn State in 1996, where he worked in the Office of Undergraduate Education. He directed the Office of Summer Sessions for eight months in 1997 before assuming his position at Penn State Mont Alto.

He is a native New Zealander who received bachelor's and master's degrees from the University of Auckland and a doctorate in German from Queen Mary's College at the University of London. He also studied at the University of Basel, Switzerland.

Schuylkill names director of continuing, distance education

David E. Holden has been appointed director of continuing and distance education at Penn State Schuylkill. Previously a senior program developer in the University Park Office of Program Development, Holden has been working in collaboration with a number of Penn State locations to develop new continuing education programs.

Holden came to Penn State after a career in the U.S. Army where he was commandant of a national aviation-training program for 15 years. In that role, he was responsible for programs

designed to train Army National Guard aviators and aviation noncommissioned officers.

He holds a bachelor's degree in psychology from Lebanon Valley College and a master of arts degree in counseling psychology from Kutztown University. He is an adjunct faculty member at Penn State Schuylkill, Penn State Harrisburg and Lebanon Valley College, teaching introduction to psychology, physiological psychology, social psychology, general psychology and organizational psychology.

PROMOTIONS

Staff

Jane S. Brown, accountant aid in College of Arts and Architecture

Janie L. Burns, staff assistant VI in College of Engineering

Curtis V. Chan, coordinator, college relations in College of Engineering

Pamela S. Coffman, staff assistant V in Business Services

Karen R. Haldeman, staff assistant VII in Student Affairs

Missy L. Hazen, senior research technologist in Eberly College of Science

Jennifer T. Herrera, staff assistant VI in Division of Development and Alumni Relations

Barry M. Jones, network coordinator in Computer and Information Systems - Telecommunications

Shelly E. Kachik, staff assistant VII in College of Engineering

Carol A. Kelly, accountant

in College of Medicine, The Hershey Medical Center

Bobbi J. Lesko, finance and accounting assistant in The Smeal College of Business Administration

James R. Melton, network coordinator in Computer and Information Systems - Telecommunications

Glenn A. Pancost, senior engineering aid, Applied Research Laboratory

Lawrence C. Ragan, manager, instructional design in Division of Outreach and Cooperative Extension

Loretta V. Ramsey, minority programs counselor at Penn State Delaware County

Chris A. Reese, staff assistant V in Hospitality Services

Rebecca L. Reese, staff assistant VII in College of Health and Human Development

Timothy A. Reese, research engineer in Applied Research Laboratory

Robert W. Rehner, manager, safety and security at Penn State Berks

Alicia D. Rodriguez, human resources coordinator I in College of Medicine, The Hershey Medical Center

William M. Rose, senior instructional designer in The Smeal College of Business Administration

Anthony R. Rosselli, assistant engineering aid, Applied Research Lab

Neil B. Russler, advanced engineering aid, Applied Research Laboratory

Anita D. Sather, staff assistant VIII in Applied Research Laboratory

Gregory L. Scherden, assistant engineering aid, Applied Research Laboratory

Richard K. Shaffer, director of enrollment at Penn State Altoona

Jack W. Sharer, associate research engineer, Applied Research Laboratory

Michael T. Sherlock, lead

applications programmer/analyst in Business Services

Roseanna E. Shumkas, public information assistant at Penn State Altoona

Peggy S. Smeltzer, staff assistant V in Student Affairs

Mendro G. Spring, staff assistant VI in Business Services

Carol A. Tobin, staff assistant V at Penn State Erie

E.L. Tressler, advanced engineering aid in Applied Research Laboratory

Elaine B. Tutko, staff assistant VI at Penn State Schuylkill

James M. Zettl, senior engineering aid in Applied Research Laboratory

Technical Service

Michael A. Smith, group leader, addressing services in Business Services

25-YEAR AWARDS



Marcia Beth Coleman



Alice Jones



Connie Moore



Randy Ripka

Observing 25 years of service at the University are, from top left, Marcia Beth Coleman, staff assistant VI in Corporate Controller's Office; Alice Jones, staff assistant V in the Division of Outreach and Cooperative Extension; Connie Moore, administrative assistant IV in the College of the Liberal Arts; and Randy Ripka, print shop technician in the College of Engineering.



Arts & Entertainment

Student plays to be presented

The professional premiere of two student plays will be held Friday, July 28, in 119 Arts Building on the University Park campus. Pennsylvania Centre Stage, in cooperation with the Penn State School of Theatre, is sponsoring several performances of the plays that will be presented later in August in Edinburgh, Scotland.

The plays, "Out to Lunch" and "Push," are free and the one-hour performances will begin at noon and will run Friday, July 28; Saturday, July 29; and Monday, July 31.

"Out to Lunch," an original piece by Keith Hitchcock, is a multi-character, one-man comedy. Hitchcock also will give a master class on physical transformation.

"Push," adapted and performed by Joy Hooper from the critically acclaimed novel by Sapphire, is a touching story of a teenage girl from Harlem who receives the gifts of reading, writing and hoping.

Shaver's Creek upcoming events

The following events and programs will be offered by Shaver's Creek Environmental Center, near the University Park campus, in the coming months. Call (814) 863-2000 or (814) 667-3424 to preregister.

SEPTEMBER

■ Owl Prowl

Meet Shaver's Creek owls up close then head outdoors to search for owls in the surrounding woods, Friday, Sept. 8, from 7-9 p.m. Maximum 30 participants; \$5 for nonmembers/\$4 members.

■ **Late Summer Wildflower Walk**
Saturday, Sept. 9, from 1-3 p.m. Maximum 30 participants; \$5 nonmembers/\$4 members.

■ **Children's Halloween Trail Volunteer Information Session**
Volunteers are needed to help with a number of Halloween activities planned for the center. All ages welcome on Wednesday, Sept. 13, from 7-9 p.m.

■ Contra Dance

On Saturday, Sept. 16, from 7:30-10:30 p.m. at the State College Friends School, 1900 University Drive Extension, State College. All ages; members \$5/\$6 nonmembers/\$4 free.

■ Harrier 5K Run

Registration begins at 8 a.m. at Stone Valley Recreation Area in the day-use parking lot; race begins at 10 a.m., Saturday, Sept. 16. Registration forms and maps of the course can be picked up at Shaver's Creek, Stone Valley and sport shops in State College, or download a registration form from the Web at <http://www.outreach.psu.edu/Shaver'sCreek/>. Registration deadline is Sept. 1 and the fee is \$12. After Sept. 1, the registration fee is \$15.

■ The Great Insect Fair

Join the Department of Entomology for a fun-filled day of insect activities and



Music at Noon — a twice weekly melodious noontime offering at Fisher Plaza on the University Park campus — recently presented the stylings of (from left) Steve Bowman, Aaron Burke, Arthur Goldstein and Rob Nairn. Coming up in August at Fisher Plaza will be the Jack Eggett/Gordon Law Quartet on Tuesday, Aug. 1, and Bruce and Jesse at noon on Thursday, Aug. 3. Those performances will conclude the summertime series.

Photo: Greg Grieco

displays in and around the Agricultural Sciences and Industries Building on the University Park campus from 10 a.m. to 4 p.m. Saturday, Sept. 23. For more information, contact the entomology department at (814) 865-1895. The event is free.

■ Organic Farming

Meet farmer Mark Guenther at Tait Farm and see how one local farm is working to produce food in an environmentally and socially responsible manner, Saturday, Sept. 30, from 10 a.m.-noon; minimum 10 participants; \$8 nonmembers/\$7 members.

OCTOBER

■ Autumnal Excursion for Seniors

This program, especially for senior citizens, will introduce participants to Shaver's Creek's grounds, trails and animals. Participants should bring a packed lunch on Wednesday, Oct. 4, from 11:30 a.m.-2:30 p.m. Cost is \$5 for nonmembers/\$4 members. Transportation from State College available for \$5. Call Robbin Weiss at (814) 863-2000 for details.

■ Family Fall Foliage Walks

Sunday, Oct. 8, and Saturday, Oct. 14, from 2-4 p.m.; all ages. Cost: \$5 for nonmembers/\$4 for members.

■ Contra Dance

Saturday, Oct. 21, from 7:30-10:30 p.m. at the State College Friends School, 1900 University Drive Extension; all ages. Cost is \$6 nonmembers/\$5 for members/children free.

■ Pumpkin Carving

Use your talents to carve jack-o-lanterns to decorate the Children's Halloween Festival trails on Thursday, Oct. 26, from 6-9 p.m.; free.

■ Children's Halloween Trail and Festival

Saturday and Sunday, Oct. 28 and 29, from 11 a.m.-4 p.m. Enjoy games, singing, crafts, scarecrow making, pumpkin carving, food and the enchanted trail — geared toward ages 4 to 10. Trail times starting every half-hour from 11 a.m. to 3 p.m. Purchase tickets after Sept. 1 at Shaver's Creek (credit card orders accepted by telephone); \$5/children; 3 years and younger are free.

For more information, visit the Web at <http://www.outreach.psu.edu/Shaver'sCreek/>.

■ Paintings on display in Harrisburg

The paintings of artist Vincent Hron, assistant professor of art at Bloomsburg University, will be on display in the Gallery Lounge of the Penn State Harrisburg Olmsted Building through Sept. 30. Hron's work is in the realist tradition and influenced by both Modern and Post-Modern concerns. He has had a number of solo exhibitions at universities across the country and recently participated in international group exhibitions.

Winner of numerous study grants, merits awards, prizes and fellowships, Hron received his MFA from the University of Michigan, Ann Arbor, and a

BFA from Drake University in Des Moines, Iowa.

Center for the Performing Arts announces season

The Center for the Performing Arts at University Park has announced its 2000-2001 season and most notable in the scheduled events is the return of "Les Misérables," which is slated for a weeklong engagement in March 2001. This production played to a sold-out Eisenhower Auditorium in 1994. Other Broadway national tours coming to Penn State range from "Peter Pan," to "Chicago," "Show Boat" and "Phantom."

Classical diversions at the center include the Pittsburgh Symphony Orchestra; the Alexander String Quartet; the London City Opera with Carmen; and the Royal Ballet of Flanders, performing "The Three Musketeers." The Amernt String Quartet joins with the Pennsylvania Chamber Choral to present "Prairie Songs," a world premiere commission from Penn State alumnus and award-winning composer Mike Reid.

For the end of a heart, Theatreworks/USA brings the zany musical "Lyle, Lyle Crocodile," Omaha Theatre for Young People entertains with "Come Back, Amelia Bedelia;" and ODC/San Francisco retells the fairy tale "The Velveteen Rabbit," through dance. For the full list of events and the dates they will be performed, go to <http://www.cpa.psu.edu/hot.html>.

UNIVERSITY PARK CALENDAR

JULY 28 - AUGUST 10

SPECIAL EVENTS

Friday, July 28

"Out to Lunch" and "Push," student plays, noon, 119 Arts Building, July 28, 29 and 31.

Wednesday, August 2

Adult Student Fair, 5:30 to 7:30 p.m., The Penn State.

Saturday, August 5

Commencement, The Bryce Jordan Center and Eisenhower Auditorium.

MUSIC

Friday, July 28

Bavarian Stompers, Viennese, noon, Creamery.

Tuesday, August 1

Jack Egger/Gordon Law, modern jazz quartet, noon, Fisher Plaza.

Thursday, August 3

Bruce and Jesse, traditional folk, noon, Fisher Plaza.

Friday, August 4

Steel Hollow String, folk and country swing band, noon, Creamery.

EXHIBITS

Engineering Unit C

Works from Spring 2000 Architecture 432 class, Aug. 24 through Aug. 31.

HUB-Robeson Center

"Diverse Unity in Art," through Sept. 15. "Out of the Box: Myths and Reality" by Dori Grace Lemeh, through Aug. 30. "Ell Gröninger Woodward: Metal Art," through October.

"Visual Serendipity: Paintings by Jaime Ursic," through Aug. 30.

North Halls exhibit area

"Postcards from the Reconstruction: Paintings by Norman Fetter," through Aug. 15.

Palmer Museum of Art

"Abe Ajay: Constructions and Collages," Special Exhibitions Gallery I and American Works on Paper Gallery, through Sept. 11.

sva2000 Faculty Exhibition, Special Exhibitions Gallery II, through Sept. 17.

Rikunaru exhibit area

"Route 550 South: Images by Kathryn Murken," through Aug. 17.

For a full listing of University Park activities, including sporting events, go to the Web at <http://pac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Scary out of water, too



This dogfish shark still looks a little menacing as it is positioned for a photograph by John Waters and Melissa Janssen, both from the Department of Biology. The two are collaborating with the Digital Photography Studio on the University Park campus, which is run by Gerald Lang, professor of visual arts. Waters and Janssen are preparing to photograph the shark for a series of Web-based dissection guides to be published by McGraw-Hill and used for a Biology 421 (vertebrate anatomy class).

Photo: Greg Grieco

Thomas returns for discussion on graduate education

The future of exciting potential discoveries is dependent on graduate education, Joab Thomas, president emeritus of Penn State, said in a July 14 talk at University Park.

"Discovery and creation and the utilization of information and technology are the essence of graduate education," Thomas told the board of directors of the Graduate School Alumni Society.

"I have a passion for graduate education. The need for graduate education now is obvious because of the knowledge explosion. We are in the dawn of a new era and we can trace much of its importance and significance to graduate education," he said.

Thomas, who served as Penn State's 15th president from 1990 to 1995, has a longstanding commitment to graduate education.

The Graduate School Alumni Society (GSAS) was formalized in 1997 to help strengthen support for graduate education at Penn State and to provide additional opportunities for graduate students to interact with graduate alumni from an array of fields and professions.

Thomas told the directors that the continuing growth of information technology will provide increasingly powerful tools for learning and research.

"But I believe that technology, as such, has little, if any, inherent value.

The manner in which it is used is the critical matter.

"We struggle to cope with change through continuity," he said. "Change is the most prevalent constant. When the pace of discovery increases, the pace of change increases."

Noting that the pace of discovery changed greatly in the 18th and 19th centuries, he said in the 20th century "we not only exceeded all other discoveries, but did so by quantum leaps."

Thomas said he believes the success of global research is built on the foundation of graduate education.

Summer research opportunities for undergraduates at Penn State

This summer, The Graduate School's Office of Graduate Educational Equity is once again hosting undergraduate students from underrepresented groups who are taking part in the CIC Summer Research Opportunities Program on the University Park campus. In its ninth year, the program is designed to interest talented undergraduate students in academic careers and to enhance their preparation for graduate study through

intensive research experiences with faculty mentors.

Thirty-four students, including students from Penn State's Center for Undergraduate Research Opportunities, are participating. Each student works through every phase of the research process from proposal writing and continuation of the results at a campus symposium. Participants also present the

results of their research project in a final paper, which is submitted to their faculty mentor at the end of the program.

On Aug. 3, participating students will make their formal presentations at a symposium scheduled to take place at The Nittany Lion Inn, from 9 a.m. to 5 p.m., in Boardrooms I & II. As part of the symposium, two concurrent sessions are planned. One session will

represent the colleges of Health and Human Development, Arts and Architecture, Education, Agricultural Sciences and the Liberal Arts. The other will represent the colleges of Science, Earth & Mineral Sciences, and Engineering.

For more information or to request an agenda for the symposium, contact the Office of Graduate Educational Equity at (814) 863-1663.



News in Brief

Adult Student Fair

The 12th annual Adult Student Fair will be held on Wednesday, Aug. 2, from 5:30-7:30 p.m. at The Penn State Conference Center Hotel on the University Park campus.

If you are thinking about beginning or returning to Penn State, on a full- or part-time basis, then visit the fair. Representatives from 30 University offices will be available to answer questions and share information. For more information, call (814) 863-3867 or (814) 865-3443. Child care will be provided and refreshments will be served.

Proposals sought for computer security conference

Penn State network administrators, systems administrators, database administrators, Web developers, and technical managers are invited to submit a proposal for presentation at the Computer and Network Security 2000 Conference, sponsored by Penn State Computer and Information Systems (C&IS). The conference is scheduled for Wednesday, Oct. 4, from 8 a.m. to 5 p.m. at The Penn State Conference Center Hotel on the University Park campus.

The overall theme for this conference is "Securing Today to Ensure Tomorrow." Proposals that focus on security issues, such as new types of attacks, securing networks, and legal and ethical issues and more, are being sought.

Presentations are scheduled to be 60 minutes long. Proposals are due Friday, Aug. 11. To submit a proposal, fill-out and submit the online form located at <http://www.psu.edu/secrity2000/tp/>.

For more information or to request a printed proposal form, send your name, address and a brief message to security2000@psu.edu.

Blood drive

The College of Arts and Architecture is sponsoring a blood drive in partnership with the American Red Cross in the Arts Building lobby on the University Park campus between 10 a.m. and 4 p.m. on July 28. All donors participating in this drive will receive a chance to win tickets to the Pennsylvania Centre Stage production of Angela Lloyd's "Dreams and Other Realities" at 2 p.m. on Oct. 14.

Donating blood should only take



Venturing out from the warmth of their shelters, these University-owned sheep watch curiously as their photo is taken. Usually housed in the barns at University Park, the sheep found these field structures excellent shelter from recent rainy weather.

Photo: Greg Grieco

about an hour. A person can safely donate blood every 56 days. To make an appointment or for more information, call Gwen Miller at (814) 865-2591 or e-mail her at genn15@psu.edu.

Fulbright deadline approaching

Information on application guidelines for the 2001-02 Fulbright Scholar-in-Residence and European Scholar-in-Residence programs can be found on the Web at <http://www.international.psu.edu/fulbright/fulschol.html>. The Web site includes links to samples of successful grant proposals. Application deadline is Nov. 1 for grant programs beginning in academic year 2001-02.

Scholar-in-Residence (SIR) grants provide for visiting scholars, who may teach one or more courses, to be in residence for a semester or academic year. Several Penn State campuses have submitted successful proposals for SIR programs, which are designed to help smaller institutions which do

not ordinarily host Fulbright senior scholars.

The European Union SIR (EU SIR) is a separate program making it possible for universities to host experts on the European Union as resident fellows for one term. This program is appropriate for all Penn State locations.

For more information on the Fulbright Scholar-in-Residence or European Scholar-in-Residence programs, contact John M. Keller of Penn State's Fulbright Advising Office in the University Office of International Programs at (814) 863-6035 or by e-mail at jmk13@psu.edu.

Libraries find permanent homes

All subject libraries in the Pattee Library and Paterno Library are now in their final locations.

The George and Sherry Middlemas Arts and Humanities Library occupies the second and third floors of Pattee Library. The second floor of Pattee Library, central, houses the service

desk, reference collections and the Paterno Family Humanities Reading Room. The service desk can be reached at (814) 865-6481.

Arts and humanities periodicals, the Digital Resources Center, and the Walter and Doris Goldstein Music and Media Center are on the second floor of Pattee Library, west. The third floor of Pattee Library, west, houses staff offices, the Fine Prints room, and the Edward and Judith Anchel Music Seminar Room.

All Education and Behavioral Sciences Library collections and services are on the fifth floor of Paterno Library, including the Learning Center and the Mid-State Bank and Trust Co. Instruction Room. The Education and Behavioral Sciences Library's service desk can be reached at (814) 865-2842.

Finishing touches, including updated signage, are being put on the Pattee Library renovations in preparation for the Paterno Library dedication on Sept. 8. For more information, visit the Web at www.libraries.psu.edu.

New outreach office in Mifflin County to serve entrepreneurs, small businesses

The Penn State Small Business Development Center has opened a new outreach office in Penn State's Center for Outreach and Cooperative Extension serving Juniata Valley in Lewistown.

"We feel there are certainly enough small businesses in Mifflin County to support an outreach office. We will be providing the same services as the SBDC at University Park," said Michael Ryan, business analyst for the new out-

reach center.

The center will provide free seminars on the "nuts and bolts" of starting a business — everything from developing a business plan to learning how to market a product or service. Also, the center will offer free one-on-one consulting for small firms and business start-ups, enabling them to compete and grow in today's highly competitive global economy.

The Penn State Small Business Development Center at University Park opened in October 1997 in response to the needs of small and prospective business owners in Centre and Mifflin Counties. Penn State SBDC's Outreach Center in Lewistown opened in June to better meet the needs of small firms and entrepreneurs in Mifflin County.

The Penn State SBDC is one of 16 in Pennsylvania and part of a nationwide

network of more than 1,000 centers that offer free assistance to entrepreneurs of small and emerging businesses.

For more information, contact Penn State Small Business Development Center at (717) 247-1280; or visit the Web at <http://www.research.psu.edu/sbdc/> or <http://www.pasbdc.org/>.



Penn Staters

Penn State's **CAAIS** (Comprehensive Academic Advising and Information System) was recently honored as one of 13 Academic Excellence and Cost Management finalists in a nationwide competition sponsored by the American Council on Education and the USA Group Foundation. More than 100 schools participated in the competition, which recognizes innovative programs in higher education that promote academic excellence while containing costs. CAAIS, recently renamed eLion, is a Web-based interactive resource for Penn State students, faculty and advisers that enables students to participate in interactive advising sessions to help them make informed academic decisions. Sponsored by Enrollment Management and Administration, the Office of Administrative Systems and the Office of Undergraduate Education, eLion is on the Web at <http://eLion.psu.edu/>.

William A. Henk, director of the Penn State Harrisburg School of Behavioral Sciences and Education, has been named a Distinguished Alumnus of Edinboro University of Pennsylvania. Henk holds a bachelor's degree in secondary education and a master's degree in reading from Edinboro.

Dale Jacquette, professor of philosophy, recently presented a paper, "Theory and Observation in the Philosophy of Science," at the Fourth Quadrennial International Fellows Conference on Philosophy and History of Science in San Carlos de Bariloche, Argentina.

Djelal Kadir, Edwin Erle Sparks professor of comparative literature, is one of the founders of a new professional association, the International American Studies Association, founded at the Rockefeller Foundation's Conference Center in Bellagio, Italy. The new association was founded by 22 representatives from around the world who are committed to the study of the Americas. In addition, Kadir will serve as the association's first president.

L. Suzanne Kellerman, Judith O. Sieg Chair for preservation and head of the Preservation Department in the University Libraries, has been appointed director of the Committee on Institutional Cooperation's (CIC) sixth coordinated preservation microfilming project. Kellerman will oversee the preservation efforts of nine CIC libraries over a two-year period, beginning in October. In addition to serving as the overall project director, Kellerman will manage Penn State's part of the project—the microfilming of 527 volumes from the Luis Alberto Sánchez History and Political Science Collection.

Jean McGrath, director of student services for Distance Education/World Campus, was presented with the J.O. Grantham Leadership Award from the

National University Telecommunications Network. The network is one of the first national networks to take advantage of the potential for satellite delivery of distance education and has evolved into a multi-technology network for delivering lifelong learning programs. In addition to receiving her award, McGrath presented a report on quality issues in learner support for online learning as part of a panel on programs funded by the Alfred P. Sloan Foundation. The report included a summary of benchmarking on learner support done for The World Campus.

Gary L. Messing, professor of ceramic science and engineering and director of the Materials Research Laboratory, was a plenary speaker at Polish Ceramics—2000 held in Spala, Poland. He spoke about "Fabrication of Textured Ceramics and Single Crystals by Templated Grain Growth." Messing also was elected to the International Academy of Ceramics and gave an invited lecture titled "Templated Grain Growth: The Art and Science of Patterning Ceramic Microstructures" at the Third Forum of the International Academy of Ceramics in Sorrento, Italy.

Raj Mittra, professor of electrical engineering, was an invited speaker in the AP-2000 "Millennium Conference on Antennas and Propagation" in Davos, Switzerland, intended for scientists and engineers. Mittra spoke on "A Review of the Reciprocity Approach to Pattern Computation of Antennas Operating in Complex Environments" and "A Review of Numerical Difficulties Arising in the Modeling of Realistic Antennas in Hand-Head Phones Interacting with the Human Head."

Robert E. Newnham, professor emeritus of solid state science, delivered a plenary address on "Structure-Property Relations in Smart Materials" at the 10th International Metallurgy and Materials Congress in Istanbul, Turkey. During his trip, he delivered a seminar on "The Future of Ceramic Engineering" at Anadolu University in Eskişehir, Turkey. In addition, Newnham and **L. Eric Cross**, professor emeritus of electrical engineering, presented an invited paper on "The Symmetry of Electroceramics" at the Third Forum of the Academy of Ceramics. The forum on "The Art of Ceramics: A Blend of Art and Science in Technology" was held in Avello and Sorrento, Italy.

Jorge Pullin, professor of physics, presented a talk titled "Making Classical and Quantum Canonical Gravity Solvable Through a Large Cosmological Constant" at the Albert Einstein Institute of the Max Planck Society in Göttingen, Germany.

He also attended the Ninth Marcel Grossmann Meeting in Rome where he contributed three talks titled: "Consistent Quantization of Gravity in the Space

of Vasiliev Invariants," "The Teukolsky Equation in Horizon-Penetrating Coordinates," and "Inspiring Black Holes: The Close Limit." At this meeting, he also chaired a parallel session titled "Quantum Geometry."

The first **Della Roy Lecture**, named in honor of a former Penn State professor of materials science, was presented at a recent American Ceramic Society's Annual Meeting. The lecture was given by H.F.W. Taylor of the University of Aberdeen. The lectureship was established as a joint action of the Cements Division of the American Ceramic Society and Elsevier Science. It was created to celebrate Professor Emerita Della Roy's completion of her 30th year as editor of *Cement and Concrete Research* and to honor her for her many contributions to cement and concrete science. Under Roy's guidance, *Cement and Concrete Research* has become one of the premier journals in its field.

The International Communication Association has honored **Jorge Reina Schement**, professor of telecommunications and co-director of Penn State's Institute for Information Policy, with its 2000 Award for the "most important applied/public policy research program." The award honors an individual or individuals who have systematically researched a particular communications policy problem with the goal of bettering society. Schement was selected based on his body of work concerning universal service, which has addressed gaps in telecommunications access among various social and economic groups.

Dr. Edwards Schwentker, professor of orthopedic surgery and rehabilitation, and **Dr. Jita Modi**, College of Medicine Class of 2000, received this year's Humanism in Medicine awards. The awards are sponsored by the Healthcare Foundation of New Jersey, a private grant-making organization that in 1998 started a national program to encourage and reward compassionate and humanistic care in medicine, and by the Doctors Kienle Center for Humanistic Medicine at the College of Medicine.

Schwentker has devoted a significant part of his professional and personal life to providing medical and orthopedic care to underprivileged children, especially those from parts of the world devastated by natural disasters.

Modi was recognized for his empathy for the well being of his patients and their families, as well as an outstanding record of service to numerous civic and charitable organizations.

C. Frederick Sears, director of the Radiation Science & Engineering Center at the Breazeale Nuclear Reactor, was elected secretary/treasurer of the Nuclear Installations Safety Division of the American Nuclear Society. The

society is an international scientific and educational organization that seeks to unify professional activities within the diverse fields of nuclear science and technology. The Nuclear Installations Safety Division promotes a better understanding of the role of safety in the design, construction, and operation of nuclear reactor facilities.

Pam Silver, associate professor of biology at Penn State Erie, has been awarded a three-year, \$155,473 grant from the National Science Foundation for her proposal "Collaborative Research and the RUI: Spatial Patch Structure: Can Ephemeral and Heterogeneous Resource Patches Influence Biotic Assemblages in Streams?"

Jennifer Parker Talwar, assistant professor of sociology at Penn State Berks-Lehigh Valley, was awarded a postdoctoral research fellowship by the Social Science Research Council Program on International Migration, funded by the Andrew W. Mellon Foundation. The \$20,000 award will allow Talwar to study immigrant entrepreneurs who own American Franchise restaurants. Talwar's research will take place during the 2000-2001 academic year. The goal of the International Migration program is to "foster innovative research that will advance theoretical understandings of the origins of immigrations and refugee flows to the United States, the processes of migration and settlement, and the outcomes for immigrants, refugees and native-born Americans," according to the council.

Scenes from the operas *Ever Since Eden*, *The Diamond Child* and *The Last Voyage of Captain Meriwether Lewis* have been performed at the Manhattan School of Music. **Bruce Trinkle**, professor of music, composed the operas, and **Jason Charnesky**, a graduate student in the English department, wrote the libretto. This production was part of the program "From Page to Stage: Developing and Producing New American Opera" from The National Opera Association.

Vasudara Varadan, distinguished professor of engineering science and mechanics, presented two short courses at Inha University in Incheon, South Korea. The courses were titled "Smart Structures, Microsystems, MEMS and their applications" and "Modeling of Smart Structures, Microsystems and MEMS."

Wilbur Zelinsky, professor emeritus of geography, has been awarded The Cullum Geographical Medal from the American Geographical Society, the oldest professional geographical organization in the United States. The award, established in 1896, honors those "who distinguish themselves by geographical discoveries, or in the advancement of geographical science." Zelinsky joins 65 previous recipients of the award.



Academic Promotions

Effective July 1

Following are University-wide faculty promotions, effective July 1.

TO PROFESSOR

Collins O. Aihienbuwa, health education
Omid Ansary, engineering, Penn State Harrisburg

Osama O. Awadelkarim, engineering science and mechanics

Kultegin Aydin, electrical engineering
Charles E. Bakis, engineering science and mechanics

Richard L. Barton, professor of communications

Thomas O. Beebe, comparative literature and German

Glendon W. Blume, education

Al Borhan, chemical engineering

Stephen H. Browne, speech communication

Dmitri Buzago, mathematics

Keith K. Burkhardt, medicine and pharmacology, College of Medicine, The Hershey Medical Center

Cengiz Camci, aerospace engineering
Yochia F. Chen, engineering, Penn State Harrisburg

Barbara J. Christ, plant pathology

Ralph H. Colby, polymer science

Phyllis B. Cole, English and women's studies, Penn State Delaware County

Henry J. Donahue, orthopedics and rehabilitation, College of Medicine, The Hershey Medical Center

J. Ward Donovan, medicine, College of Medicine, The Hershey Medical Center

Christopher J. Duffy, civil engineering

David M. Eissenstat, woody plant physiology

Duncan K. H. Fong, management science

Richard C. Frushell, English and comparative literature, Penn State

McKeesport

Wendy N. Greenberg, French, Penn State Lehigh Valley

Marvin H. Hall, forage management

Anne H. Hawkins, humanities, College of Medicine, The Hershey Medical Center

James T. Herbert, education

Charles W. Heuser Jr., horticultural physiology

C. James Holliman, surgery, College of Medicine, The Hershey Medical Center

Barry W. Ickes, economics

J. Michael Jarrett, English, Penn State York

Leif I. Jensen, rural sociology

Kenneth B. Kephart, animal science

Pablo Laguna, astronomy and astrophysics

Janice C. Light, communication disorders

Ian S. Marshall, English, Penn State Altoona

John I. McCool, industrial engineering, Penn State Great Valley

Bruce A. McPherson, entomology

Robert G. Melton, aerospace engineering

Dirty W. Moore, English, Penn State Altoona

Timothy C. Ovaert, mechanical engineering

Sara C. Parks, dietetics and nutrition

Kyle L. Peck, education

Jeffrey K. Pinto, management, Penn State Erie

Jorge Pullin, physics

Clive A. Randall, materials science and engineering

Richard W. Robinett, physics

Gary W. Rogers, dairy and animal science

Victor C. Romero, law, The Dickinson School of Law

Kathy L. Ruhl, special education

Haiduke Saphra, physics, Penn State York

Dennis G. Shea, health policy and administration

Martin A. Simon, education

Lorraine M. Sordillo, veterinary science

Lourea Diaz, education

Cynthia A. Stifter, human development

Giirja Subramaniam, chemistry, Penn State Hazleton

Alan H. Taylor, geography

Mirna Urquid-Macdonald, engineering science and mechanics

Alexandros N. Vgontzas, psychiatry, College of Medicine, The Hershey Medical Center

Don M. Wojchowski, veterinary science

Gayle J. Yaverbaum, information systems, Penn State Harrisburg

George S. Young, meteorology and geoenvironmental engineering

TO ASSOCIATE PROFESSOR

Paul L. Babitzke, biochemistry and molecular biology

William P. Bahnhleth, architectural engineering

Orie B. Barron, accounting

Robert D. Berghage, horticulture

John P. Beaumont, engineering, Penn State Erie

Leonid V. Berlyand, mathematics

Elizabeth M. Billingsley, medicine, College of Medicine, The Hershey Medical Center

Craig H. Bishop, meteorology

Andre L. Boehman, fuel science

Douglas K. Brown, mathematics, Penn State Altoona

Karen L. Brown, management science, Penn State Harrisburg

Michael R. Bussel, labor studies and industrial relations

Michael A. Campbell, biology, Penn State Erie

Christopher P. Carney, political science

Alison A. Carr-Chellman, education

John G. Champagne, English, Penn State Erie

David P. Chin, English, Penn State Wilkes-Barre

Neil D. Christensen, pathology and microbiology and immunology, College of Medicine, The Hershey Medical Center

Rebecca L.W. Corwin, clinical nutrition

Waldemar K. Debinski, surgery and microbiology and immunology, College of Medicine, The Hershey Medical Center

Daniel DiLeo, political science, Penn State Altoona

Ageliki Eleftheriadou, civil engineering

Majid R. Foolad, plant genetics

Ralph M. Ford, electrical engineering, Penn State Erie

Douglas A. Granger, biobehavioral health and human development

Gary L. Gray, engineering science and mechanics

P. Sue Grigson, behavioral science, College of Medicine, The Hershey Medical Center

Frederick C. Haag, visual arts, Penn State York

Lisa A. Holden, dairy and animal science

Dale A. Hohen, biology, Penn State Worthington Scranton

David R. Huff, turfglass breeding and genetics

Christopher R. Jacobs, orthopedics and rehabilitation, College of Medicine, The Hershey Medical Center

Timothy J. Kane, electrical engineering

Ralph L. Keil, biochemistry and molecular biology, College of Medicine, The Hershey Medical Center

Milind J. Kothari, medicine, College of Medicine, The Hershey Medical Center

Zhi-Chun Lal, biology

Gerald K. LeTendre, education

Joseph E. LePault, mathematics, Penn State Erie

Ying Liu, physics

Cynthia M. Mara, health care administration and policy, Penn State Harrisburg

Eric R. Marsh, mechanical engineering

Eric J. McKee, music

Suzanne E. Mohney, materials science and engineering

John-Paul Mullis, psychology, Penn State Beaver

Raymond G. Najjar Jr., meteorology and geosciences

Ken Ono, mathematics

Mark E. Patzkowsky, geosciences

William A. Rowe, medicine, College of Medicine, The Hershey Medical Center

Jeffrey L. Schiano, electrical engineering

Michael J. Shanahan, human development and family studies

Rajeev Sharma, computer science and engineering

Roger C. Shouse, education

Semyon M. Stobounov, kinesiology

Robert W. Speel, political science, Penn State Erie

Anand Sivasubramaniam, computer science and engineering

Graham H. Thomas, biology

Margaret A. Thoms, management, Penn State Erie

John P. Vanden Heuvel, veterinarian science

Johannes Verlinde, meteorology

Ray R. Venkataraman, management, Penn State Erie

Chao-Yang Wang, mechanical engineering

Keith E. Whitfield, biobehavioral health

Colleen Willard-Holt, education, Penn State Harrisburg

Ronald P. Wilson, comparative medicine, College of Medicine, The Hershey Medical Center

Frank C. Worrell, education

Chuck Yeung, physics, Penn State Erie

TO LIBRARIAN

Thomas W. Conkling, engineering library

Steven L. Herb, education and behavioral sciences library

Linda R. Musser, earth and mineral sciences library

Diane M. Zabel, business library

TO ASSOCIATE LIBRARIAN

Eric P. Delozier, reference library, Penn State Harrisburg

Nancy H. Deward, reference library, Penn State Berks

Tona A. Henderson, gateway library

Amanda L. Maple, arts and humanities library

■ *Following are faculty promotions within the Applied Research Laboratory*

TO SENIOR SCIENTIST

Jogender Singh, Applied Research Laboratory

TO SENIOR RESEARCH ASSOCIATE

David C. Swanson

TO SENIOR RESEARCH ENGINEER

Howard B. Miska

TO RESEARCH ENGINEER

Charles W. Allen

Jon E. Eaton

Bruce T. Enfalt

Steven N. Harp

Mark T. Keller

Charles L. Lloyd

Douglas R. McPherson

Timothy A. Reese

ASSOCIATE RESEARCH ENGINEER

Paul L. Bruhn

John D. Gronsveld

Janet L. Jensen

James E. Raabe

Jack W. Sharer

Robert W. Smith

Robert L. Spooner

Eric C. Strauch

ACADEMIC PROMOTIONS

continued from page 10

TO ASSOCIATE RESEARCH ENGINEER

Steven D. Young
James S. Zmyslo

■ Following are academic promotions within the Intercollegiate Research Programs.

TO SENIOR RESEARCH ASSOCIATE

Philip M. Garvey in the Pennsylvania Transportation Institute
Stephen A. Matthews in the Population Research Institute

■ Following are promotions of staff members in Penn State Cooperative Extension in the College of Agricultural Sciences, effective July 1.

TO SENIOR EXTENSION AGENT

Nancy E. Crago, Allegheny County
Charles D. Gale, Columbia County
Mary Alice Gettings, Beaver County
Holly K. Hedstrom, Erie County
Gregory W. Solt, Northampton County

TO EXTENSION AGENT

Martha R. Gregory, Lebanon County
Sandra Parker Hall, Lebanon County
James R. Ladlee, Clinton County
Jeannine R. Richlin, Sullivan County
Emelie Swackhamer, Lehigh County

TO ASSOCIATE EXTENSION AGENT

Sallie M. Gregory, Cumberland County
Gregory J. Hostetter, Juniata County
Lori H. Little, Lancaster County
David T. Messersmith, Lycoming County
Louis S. Saporito, Montgomery County
Melissa H. Whetzel, Greene County
Nancy L. Yergin, Forest County

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Looking good



The General Classroom Building, a \$58-million addition to the Thomas Building on the University Park campus, is about 90 percent complete and is expected to be done in August. The building, which is equipped with 726 stations wired for the Internet, is being built to reduce the dependence on Schwab Auditorium.

Photo: Greg Grieco



New at Penn State

Four-year business degrees offered

Three of Penn State's Commonwealth College locations in the Pittsburgh area — Penn State Beaver, Penn State McKeesport and Penn State New Kensington — are authorized to offer a new four-year business degree beginning fall 2001.

The bachelor of science in business is designed for students who want to become flexible business professionals, equipped to adapt to changing workplace needs. This program enables students to develop an up-to-date general knowledge base in business administration and more through traditional classroom instruction, active and collaborative learning, internships and practical experience. The program also incorporates technologically enhanced courses using software specifically designed for business applications.

Currently all three campuses offer an associate

degree in business. Students in that degree program have the option to move into the new baccalaureate business program. The third-year courses for the bachelor of science in business program will be in place for fall semester 2001. Both day and evening courses will be available.

For more information about the new degree program at the respective locations, call Daniel Pinchot at Penn State Beaver, (724) 773-3617; Dottie Ikach at Penn State McKeesport, (412) 675-9180; and Patty Brady at Penn State New Kensington, (724) 334-6055.

Curriculum revisions benefit aviation students

Under updates taking effect this fall, students in two aviation programs at Pennsylvania College of Technology will enjoy a curriculum that more thoroughly answers industry needs and includes options designed to help them troubleshoot,

repair and maintain aircraft and associated equipment.

Those advantages also will be accompanied by a reduced credit-load requirement, which translates into less expense for students in the aviation maintenance technology bachelor's degree program and the avionics technology associate's degree program, which now will be known as electronics technology with an aviation emphasis.

Revisions to the aviation maintenance technology program will reduce the number of required credits by combining core competencies and removing duplicate course work.

The aviation electronics industry is currently suffering from a technician shortage, according to college officials. These curriculum changes are concentrated on meeting industry needs.

The Penn College program is one of only three nationally to be recognized by Transport Canada, the

Canadian counterpart to the Federal Aviation Administration. Penn College also is a member school of the Aviation Technical Education Council.

Altoona adds three degree programs

Penn State Altoona will offer three new bachelor's degrees beginning fall 2000, bringing the total number of baccalaureate degrees to 10. The new degrees are an integrative arts degree that allows students to pursue their interest in the arts across various artistic boundaries; a bachelor of arts degree in environmental studies that will focus on ecological literacy; and a flexible, interdisciplinary science degree program that helps prepare students for a wide variety of careers. For information on any of these degree programs, contact the Office of Admissions at (814) 949-5466 or (800) 848-9843.

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Girls rock!



Tara Rao (from left) of Boalsburg, Holly Heinrichs of Spring Mills and Ashley Aikens of State College were just some of the 50 girls who constructed rockets during the Nittany Science Camp for Girls, July 17-21, at Shaver's Creek near the University Park campus. The program, sponsored by the College of Earth and Mineral Sciences, is an annual event designed to give girls in grades six and seven hands-on training to nurture their interest in the sciences. The girls spend each day at the camp actively participating in engineering design activities and scientific experiments.

At left, Rebecca Veenstra, a sixth-grade teacher from the Park Forest Middle School in State College and part of the all-woman team of teachers at the camp, shows Marie Gildow from State College how to secure a parachute to her rocket.

Anyone interested in next year's camp should call the EMS Student Center at (814) 863-2751 and ask to be put on the mailing list.

Photos: Greg Grieco

House committee meets at Penn State to discuss sprinklers

The Labor Relations Committee of the Pennsylvania House of Representatives held a public hearing at Penn State on July 20 to discuss House Bill 2458, which proposes the installation of sprinkler systems in all college and university student residences throughout the Commonwealth over the next several years. The bill was crafted in the wake of recent deadly fires in campus residences nationwide.

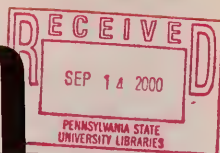
Hosted by Committee Chairman Joe Gladeck (R-Montgomery) and attended by Rep. Lynn Herman (R-Centre), the

committee heard testimony from a variety of fire safety and prevention advocates and University officials.

Thomas Gibson, assistant vice president for auxiliary and business services at Penn State, emphasized that fire safety continues to be a primary concern for the University, which has more than 4 million square feet of residence space. Newer and renovated buildings on campus have sprinkler systems installed, and all new construction includes sprinklers. Of the 17,000 residence spaces available, 8

percent to 10 percent include sprinklers.

Gibson added that aside from sprinklers, Penn State already has an extensive fire safety infrastructure in place, including a smoke detection system monitored 24-hours a day by local authorities, evacuation practices, illuminated exit signs, and first response fire fighting apparatus for University police officers. He also noted that since 1998 there have only been two minor fires in University Park residence halls that have required extinguishing.



Intercom

INFORMING THE PENN STATE COMMUNITY

AUGUST 10, 2000

Freshmen hit the trails before cracking books

By AMY NEIL
Public Information

While thousands of new students across the country begin their undergraduate career hitting the books, 100 Penn State freshmen will hit the trails of central Pennsylvania. With backpacks weighing more than 35 pounds, students will face rugged terrain, form bonds and develop skills to help them make the transition to college life.

Orion, Penn State's Wilderness Orientation Program, is a six-day backcountry experience offered to new students. The first session was Aug. 6-11 and the second runs Aug. 13-18. Named after one of the most prominent constellations in the northeastern sky, it is a collaboration between Shaver's Creek Environmental Center, Continuing and Distance Education and the Penn State Outing Club.

Each session includes 50 students, the largest number of participants in Orion's four-year history.

"The program's goal is to ease students' anxieties about going to

Orion, page 2

Faculty Senate to convene Sept. 12 with new chair

A new chairwoman of the University Faculty Senate will take the helm at 1:30 p.m. Sept. 12 in Kern Building on the University Park campus when the group meets for its first gathering of the academic year.

Dr. Cara-Lynne Schengrund, professor of biochemistry and molecular biology in the College of Medicine, has been elected to chair the Senate. Schengrund has been active in the Senate for many years, having served as chair-elect of the Senate and as a chair of the Faculty Affairs Committee, which advises the Senate on

Senate, page 2

Hands-on learning



Ryan Newman took time out from his studies this spring to work out in one of the weight rooms on the University Park campus. Newman, one of the first recipients of the Schreyer Honors College's new international summer thesis research grants, is spending the summer in Cameroon.

Photo: Greg Grieco

Research grants give undergraduates valuable international experience

By BILL CAMPBELL
Special to Intercom

Ryan Newman of Yardley has never been out of the country before, but the economics major is spending this summer in Cameroon, conducting research for his honors thesis at the Demographic Research Institute at the University of Yaounde.

Newman, a student in the Schreyer Honors College, is one of the first recipients of the college's international summer thesis research grants, a new funding program designated for Schreyer scholars who want to go abroad to perform research for their thesis.

His experience was made possible through his thesis adviser, David Shapiro, professor of economics and

"The resources are available so that you have the opportunity to step headfirst into a developing country. It's extraordinary. It says a lot about Penn State."

Ryan Newman

women's studies, who connected him with a colleague at the demographic institute, and by winning one of the new summer research grants.

"When Professor Shapiro told me about a colleague of his at the institute in Cameroon, I knew I wanted to go," Newman said. "I had an interest in learning about a developing country

and developing a research project out of that knowledge. Economics is not necessarily the most interesting subject, but I wanted to develop a thesis in this area that was both interesting and productive.

"The resources are available so that you have the opportunity to step headfirst into a developing country. It's extraordinary. It says a lot about Penn State."

The University not only offers numerous study abroad opportunities for undergraduate students, but research opportunities abroad as well — all in keeping with Penn State's goal of increasing the number of undergraduate students who have international experiences to 20 percent of each graduating class.

International, page 2

International

Continued from page 1

Undergraduate research opportunities abroad are expected to increase in light of the Schreyer Honors College's goal of 50 percent of its students graduating with international learning experience. This may involve spending a traditional semester studying abroad at an international university; taking a Penn State course abroad with a Penn State professor; conducting laboratory or field research; or participating in volunteer service, such as with Volunteers for Peace or teaching English as a second language in China.

Other undergraduate students also are choosing to conduct research abroad. Each college within the University approaches research abroad in different ways — visiting archives and libraries to study original texts through the College of the Liberal Arts or working in a laboratory through the Eberly College of Science.

Recipients of the Schreyer Ambassador Travel grants and the international research grants choose the country in which they want to work and develop their own volunteer projects. Before traveling abroad, they also do substantial reading on the country to become familiar with its social and cultural landscape. On their return, students write a report on their experiences. Some also will use what they learned abroad as a launching pad for their senior thesis.

One-on-one interaction between faculty and students is one of the keys to developing research opportunities abroad for undergraduates. Faculty members like Shapiro can draw on their own international research experiences and their contacts with colleagues around the world.

Shapiro understands Newman's excitement over his opportunity to do research abroad.

"I hope Ryan's experience changes his life, the way my first visit to Africa changed mine," he said.

Cheryl Achterberg, dean of the Schreyer Honors College, said the new summer research grants were made possible through gifts to the college.

"The international research grants are designed to help enable students devote full-time effort on a research experience during the summer in order to help better prepare them for graduate school and future careers," she said. "We're hoping to make it a permanent program to assist as many students as possible."

This summer's international grant recipients, in addition to Newman, are: Sarah Bent, Fresno, Calif.; Erika Dusen, Doylestown; Kimberly Singer, Chadds Ford; and Marley Stoner, West Lawn.

Orion

Continued from page 1

college and give them an opportunity for personal growth," said Lynne Hudson, program director for Shaver's Creek and co-creator of Orion. "The activities will help students learn teamwork and conflict-resolution skills."

All trips begin and end on the University Park campus. Split into five groups of 10 — each with a male and female instructor — the students will spend four days and five nights hiking the Mid-State trail learning the proper methods of environmentally-friendly camping, including water filtration, sanitation and fire-building. The fifth day consists of a high-adventure experience and team building. Each group's adventure will depend on the instructors' areas of expertise, such as rock climbing or high ropes. Students are required to keep a journal during their adventure.

On the last day, students and instructors will meet at the Civil Engineering Lodge at Stone Valley to reflect on the mental and physical challenges they faced during the trip — individually and as a group — and discuss how those challenges will be similar to the ones they will face as new students.

The students also are required to write a reflection paper about their experiences, attend a three-hour wrap-up session and develop and participate in a community project with their trip group.

"Last year the groups worked together to build a 60-foot boardwalk over a marsh at Shaver's Creek," said Hudson.

Wilderness orientation programs have become popular at universities and colleges over the past 20 years and are a rustic approach to introducing new students to the campus.



Participants in the Orion program participate in a high-adventure experience. In one session from a past year, that experience involved high ropes.

Photo: Courtesy of Shaver's Creek Environmental Center

Some universities, like Princeton, have more than half of their incoming students participate in these programs. Dartmouth, which began its wilderness program 65 years ago, has one of the largest programs, with

nearly 90 percent of its freshmen participating.

For more information about the Orion program, check the Web at <http://www.outreach.psu.edu/ShaversCreek/Orion/welcome.html>.

Senate

Continued from page 1

matters regarding the cultural, social and material welfare of the faculty; and on matters affecting the educational environment.

As Faculty Senate chair, Schengrund will attend the regular meetings of the Board of Trustees and is one of six Committee on Institutional Cooperation Academic Leadership Fellows. The CIC is the academic arm of the Big Ten plus the University of Chicago.

Schengrund is the first Senate chair from the College of Medicine.

The Senate is the primary forum for faculty on the multiple Penn State cam-

puses to share ideas, identify issues of concern and make recommendations.

Schengrund joined the faculty of the College of Medicine in 1972 as an assistant professor of biochemistry. She rose through the academic ranks to professor in 1992. Schengrund is internationally renowned for her research on neurochemistry and the mechanisms of action of botulinum neurotoxin. She has been recognized for her contributions to Penn State and the College of Medicine and has served on numerous committees.

She has been active in professional service nationally, including as a member of the program committee of the American Society for Neurochemistry. Schengrund also has served as a member of the Veterans Administration Merit Review Subcommittee for Neurobiology.

For more information on the Senate and upcoming meetings for the 2000-2001 academic year, visit the Web at <http://www.psu.edu/ufs/>.

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Cara-Lynne Schengrund



Lectures

Penn State Forum schedules impressive speaker lineup

The lineup of speakers for the Penn State Forum Series, a string of lunchtime lecture presentations on the University Park campus, has been set. The following speakers are scheduled for the 2000-2001 series:

■ Sept. 8: Charles Bierbauer, senior Washington correspondent, CNN, will discuss "Back to class ... after all these years" at The Nittany Lion Inn;

■ Sept. 29: Alecia Swasy, assistant managing editor/business, *St. Petersburg Times*, will present "Corporate Stupidity" at The Penn State Conference Center Hotel;

■ Oct. 20: Gen. James L. Jones, 32nd commandant of the Marine Corps, The Penn State;

■ Oct. 26: Erik Peterson, senior vice president and director of studies at the Center for Strategic and International Studies, will discuss "Reflections on the Impact of Technology on U.S. International Engagement" at The Penn State;

■ Nov. 3: Daniel S. Goldin, administrator, National Aeronautics and Space Administration, will talk in Alumni Hall at the HUB-Robeson Center;

■ Nov. 30: Sergei Khrushchev, senior fellow, Thomas J. Watson, Jr. Institute for International Studies, Brown University, will talk on the topic of "The Russian Road to Capitalism" at The Nittany Lion Inn;

■ Dec. 13: Frank Rhoades, president emeritus, Cornell University, will discuss "The Research-Intensive University: Prospects for a New Era" at The Penn State;

■ Jan. 18: Joel Myers, Penn State Board of



Charles Bierbauer



Alecia Swasy



James L. Jones



Erik Peterson



Daniel S. Goldin



Sergei Khrushchev



Frank Rhoades



Joel Myers



Todd Blackledge



Bertice Berry



Barry Robinson

Trustees member and founder, president and chairman of the board of AccuWeather Inc., The Penn State;

■ Feb. 1: Allan Goodman, president and CEO of the Institute of International Education, will present the talk "I-Sell Goats: The Future of Education in a Borderless World" at The Nittany Lion Inn;

■ March 15: Todd Blackledge, lead college football analyst for CBS Sports, will discuss "Becoming a Difference-Maker" at The Nittany Lion Inn;

■ April 11: Bertice Berry, scholar, comedienne, talk show host, entertainer and author, will talk about "Finding Your Purpose" at The Nittany Lion Inn; and

■ May 9: Barry Robinson, senior counsel for corporate affairs for the Recording Industry Association of America Inc., at The Penn State.

Modeled after the National Press Club and sponsored by the Penn State Bookstore, the lunchtime series of lectures is an offering of the Penn State Faculty Staff Club and is open to the public. Lunch begins at 11:30 a.m. and the program, including the lecture and questions from the audience, begins at noon.

For more information on the Forum series or tickets, call (814) 865-7590. Tickets are \$11 general admission and \$110 for tables of 10; Faculty Staff Club members can purchase individual tickets for \$9.

Series of discussions slated for Downtown Center in Harrisburg

The Penn State Downtown Center has unveiled its list of September public lectures and discussions with topics ranging from the history of ethnicity in Pennsylvania to a look at election issues.

All lectures are free to the public at the Downtown Center, 234 N. Third St. in Harrisburg, across from the Capitol complex. For information on any of the presentations, call the center at (717) 783-0433.

The slate kicks off on Wednesday, Sept. 6, with a noon discussion by Paul Zbiek, associate professor of history at Kutztown College in Wilkes-Barre, on "Ethnicity in Pennsylvania: Its History and Impact."

On Thursday, Sept. 7, Jane Mecum, an agent with Penn State Cooperative Extension, will focus on "Are You Always Right? Communication and Your Family," also at noon.

The remainder of the schedule follows:

■ Wednesday, Sept. 13: Robert Scott, assistant professor of behavioral science at Penn State Harrisburg, will discuss "Valuing Diversity" from noon to 1 p.m.

■ Thursday, Sept. 14: Christie McKenna and Cynthia Massie-Mara from the Penn State Harrisburg School of Public Affairs will profile their ongoing research into the "Aging Populations in Prisons" at noon.

■ Tuesday, Sept. 19: Dr. Darrell G. Kirsch, dean of the College of Medicine in Hershey, will focus on "The future of Medical Education in a Time of Healthcare Chaos" from 8 to 9 a.m.

■ Thursday, Sept. 21: Kenneth Wolenski, historian with the Pennsylvania Historical and Museum Commission, will make a presentation on "What We Know — And Don't Know — About the History of Adult Education in the U.S." at noon.

■ Tuesday, Sept. 26: Marilyn Manchester from the Pennsylvania Women's Political Network will take a look at "Upcoming Election Issues."

Computer and network security to be topic of fall conference

Penn State network administrators, systems administrators, database administrators, Web developers, managers of technical people or a security-conscious users are encouraged to attend "Computer and Network Security 2000: Securing Today to Ensure Tomorrow," an all-day conference from Computer and Information Systems designed to help make Penn State a more secure com-

puting environment. The conference is scheduled for Wednesday, Oct. 4, from 8 a.m. to 5 p.m. at The Penn State Conference Center Hotel at University Park.

Although this conference is intended for all skill levels, most presentations will assume a basic knowledge of related topics. Details and updates can be found on the Web at <http://www.psu.edu/security2000/>.

Registration is required. The Web-based registration system will be available Monday, August 14, at <http://www.psu.edu/security2000/>. Registration deadline is Sept. 15.

The cost for the conference is \$50 per person. A buffet lunch for all attendees will be provided.

For more information about the conference, e-mail security2000@psu.edu.

CELT offers half-day orientation sessions for new instructors

The Center for Excellence in Learning and Teaching (CELT) will offer a half-day, new-instructor orientation workshop, "Planning a Class that Facilitates Learning," Monday, Aug. 21, in 201 Thomas Building on the University Park campus.

Two sessions will be offered: 8:30 a.m.-noon and 1-4:30 p.m.

This hands-on workshop provides an overview of some basic issues that often concern new faculty and TAs. Individual participants will plan a class session for courses they will be teaching.

Participants are asked to bring to the workshop as much information as possible about their assignment, the course materials and their instructional duties.

Preregistration is required by Aug. 17.

For more information, check the Web at <http://www.psu.edu/ce/ce/na.html> or call (814) 863-2599.



News in Brief

Graduate convocation

Graduate students and postdocs who are beginning their studies this academic year will be welcomed to Penn State at the inaugural Graduate School Convocation to be held from 1-5 p.m. Sunday, Aug. 20, in Eisenhower Auditorium on the University Park campus. The convocation not only will provide opportunities to welcome incoming scholars, but also will provide ideas to help them succeed and take advantage of the many resources available to enhance their graduate and postdoc experience.

Featured speakers include President Graham B. Spanier; Thomas G. Poole, associate vice provost for educational equity; Eva J. Pell, vice president for research and dean of The Graduate School; John T. Harwood, director of Educational Technology Services Center for Academic Computing; Douglas R. Anderson, associate professor of philosophy; and Brandon E. Dugan, Ph.D. candidate in geosciences.

Graduate programs are strongly urged to encourage their new graduate students and postdocs to attend. Graduate faculty members and graduate officers also are welcome. For a detailed program of the event, e-mail Mary E. Hosband at meh1@psu.edu.

Call Center extends hours

The Call Center Services Office will extend its hours of operation in an effort to better serve arriving students.

Starting Saturday, Aug. 19, and continuing through Saturday, Sept. 2, the hours will be 7 a.m. to midnight weekdays, and 8 a.m. to midnight weekends. The office also will operate from 9 a.m. to 11 p.m. for the Labor Day Holiday, Monday, Sept. 4.

On Sept. 5, the Call Center will resume its normal hours of operation, 7 a.m. to 11 p.m. Monday through Friday and 8 a.m. to 11 p.m. Saturday and Sunday.

A complete listing of Call Center services is available on the Web at <http://www.etc.psu.edu/services/staff/callcenter.asp>.

Absence policy reminder

Faculty and students are reminded of Penn State's policy regarding students' requests for absence from class for the purpose of observing a religious holiday. The University Faculty Senate Policy on Class Attendance (42-27) states that instructors should provide, within reason, opportunity to make up work for students who are obliged to miss classes for legitimate reasons.

As further clarification, the Academic and Administrative Policies and Procedures Manual (R-4) states that while the University makes every effort to avoid conflicts with religious holidays, when conflicts are unavoidable, the policy is to try to make special arrangements for the students affected.



Recent paving outside of Atherton Hall on the University Park campus is a sure sign that finishing touches are all that are needed to complete the addition and renovations to the building. In addition to housing students, the building is the new location of the Schreyer Honors College administrative offices. An open house/anniversary celebration is scheduled at Atherton Hall for 1 to 3 p.m. Sunday, Sept. 10.

Photo: Greg Gneco

The Faculty Handbook says that, "Faculty members are encouraged to entertain requests for exemptions from class attendance for purposes of religious observances."

A list of holy days of the major world religions that may require students to depart from their normal routine is published by the Center for Ethics and Religious Affairs at <http://www.usa.psu.edu/cera/rthol.html>.

Dollars for Scholars

The seventh annual Dollars for Scholars Golf Classic, sponsored by the College of Communications Alumni Society, will be held on Friday, Sept. 15, at the Penn State Blue Course near the University Park campus. The tournament features a scramble format with a shotgun start at 1:30 p.m.

Proceeds from the annual tournament benefit the College of Communications Alumni Society. Neal J. Friedman Internship Fund, which provides financial aid to students in approved for-credit internships. Internship awards are given to students with proven financial need to recognize and encourage academic excellence.

The fund was named to honor Neal Friedman, who, in addition to having been instrumental in launching the annual tournament, served for two years as president of the college's Alumni Society Board of Directors.

For more information, call Kristen Fortney at (814) 865-3938, e-mail klk104@psu.edu or check the Web at <http://www.psu.edu/dept/comm/external/golf.shtml>.

Club sports need advisers

Beginning this fall, all sport clubs at University Park will be required to have a faculty or staff adviser to provide consistency to the continually changing leaders and organization of each club. Advisers should be available to provide counsel for club officers on event planning, budgeting issues, fund-raising possibilities, leadership and management problems, club or officer disputes, and more.

Penn State currently supports approximately 50 sport clubs that provide sporting activities to more than 3,500 students. Many competitive clubs travel locally, regionally and nationally to represent Penn State in their sport while the recreational clubs provide practice space, instruction or inter-university leagues for participants.

Anyone interested in becoming an adviser to one of the sport clubs should call Marcia Haradon in their sport club office at (814) 863-2895.

Carpools

Riders are sought for a carpool traveling from Phillipsburg, Clearfield, Houtzdale, Morrisdale and surrounding areas to University Park with the work hours of 8 a.m. to 5 p.m. If interested in riding, call Paula Morgan at (814) 865-1775 or (814) 339-6169.

A vanpool is looking for riders from the Phillipsburg area to University Park. Work hours are Monday through Friday, 7:30 a.m. to 4:30 p.m. Call Stacie Hugney at (814) 865-6323 or e-mail SHugney@psu.edu.

LIAS on the Web expands

LIAS on the Web, the University Libraries' online suite of digital services, now provides access via "The Fast Track to All Resources" to more than 300 index, abstract and table of content databases, listing thousands of journals, many with full-text articles.

Growth will continue as the Libraries pursue additional negotiations with database providers to increase resources that support the University's academic programs. In just the past six months, staff members in Library Computing Services added 40 databases.

Some of the newest resources include business, statistics and investment services; several Russian newspapers; the UN Treaty Collection; a variety of academic journals; and *English and American Drama of the 19th Century* (a large collection of bibliographic records). The database listing has six times the number of resources available at the end of 1997 and 12 times the number available in 1996. An alphabetical list in The Fast Track provides a comprehensive listing of all digital databases and resources for faculty, staff and students.

For more information, visit LIAS on the Web at <http://www.lias.psu.edu/>.

For the record

In a listing of academic promotions on page 10 of the July 27 issue of *Intercom*, Philip M. Garvey's title, senior research assistant, was incorrectly listed.

Faculty Academy in Information Technology draws hundreds

Two hundred educators from more than 50 colleges and universities around Pennsylvania gathered at the University Park campus last week for the first IST Faculty Academy in Information Technology.

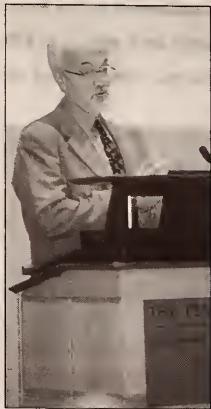
Sponsored by the School of Information Sciences and Technology, the two-day conference, "Roadmap for Success in the 21st Century Classroom," is meant to provide faculty members and administrators the tools and knowledge they need to effectively use cutting-edge learning technologies.

"Professors and college leaders everywhere are wrestling with the complex issues surrounding information technology and its use in teaching — it is a major issue for higher education today," said Fred Loomis, director of the IST Solutions Institute and coordinator of the Faculty Academy. "Our goal is to help provide the thinking and informational resources necessary to enable participants to surmount the obstacles facing them and take education at their schools to a new level."

Loomis said that the ultimate beneficiaries of the conference will be the students attending Pennsylvania's colleges and universities.

"We plan to make the Faculty Academy an annual event and create an ongoing community of practice," he said.

Participants examined the new learning opportunities presented by emerging technologies; discussed various technology strategies, infrastructure and support systems; explored implementation issues raised



William H. Graves, founder and chairman of eduprise.com and a member of the mathematics faculty at the University of North Carolina-Chapel Hill, left, was keynote speaker for the Faculty Academy in Information Technology. The event drew 200 educators from across the nation, right.



Photo: Greg Gaeco

by institutional culture and policies; and gained new skills and understanding, informational resources and a support network.

Keynote speaker was William H. Graves, founder and chairman of eduprise.com and a member of the mathematics faculty at the University of North Carolina-Chapel Hill. Graves is a widely recognized authority in teaching innovations.

Facilitators and panelists were from institutions including Carnegie Technology Education, Indiana University of Pennsylvania, Robert Morris College, Juniata College, Bucknell University, Bloomsburg University, East Stroudsburg State, Lock Haven University, Hershey Medical Center, the Pennsylvania Department of Education and SMGNet, as well as from Penn State.

Governmental relations director sought for Hershey

A search committee has been appointed to identify candidates for the position of director of governmental relations for The Milton S. Hershey Medical Center. This position reports to the special assistant to the president for governmental affairs and the senior vice president for health affairs/dean of the College of Medicine, and serves as a liaison between the University and federal and state governments with primary emphasis on Capitol Hill.

The person in this position must interact with elected and appointed officials and their staffs, as well as with other academic health center representatives in Washington, D.C., and Harrisburg, and must represent the medical center on a broad range of issues, as well as monitor, interpret and analyze federal and state legislative initiatives for senior University and medical center officials.

Knowledge of the federal legislative process is required (state legislative process desirable) and a working knowledge of health-related issues is essential. Excellent oral and written communication abilities are necessary. A major emphasis will be placed on excellent interpersonal skills.

The position involves regular travel to Washington, D.C., and less frequent travel to University Park.

Nominations or letters of interest should be submitted with a resume and three letters of reference including telephone numbers by Sept. 15, 2000, to Joseph T. Mattivi, The Pennsylvania State University, 1A Old Main (GR-HMC), University Park, Pa. 16802-1502.

For a listing of search committee members, check the Web at http://www.psu.edu/ur/archives/intercom_2000/Aug10/hershey.html.

College of Engineering adds new department

A new Department of Bioengineering and a new undergraduate degree program within the College of Engineering have been established. The creation of a full department will allow the University to offer undergraduate students for the first time the opportunity to study and conduct research in areas where the life sciences merge with engineering, according to college officials.

Herbert Lipowsky, head of the department, said the new undergraduate program will admit its first students in fall 2001.

Upon completion of core course requirements, bioengineering students will have a choice of four specialized options: electrical engineering, chemical engineering, mechanical engineering and materials science.

David Wormley, dean of the College of Engineering, said the creation of the department would not have been possible without strong support from the Whitaker Foundation. The foundation, based in Rosslyn, Va., has awarded more than \$320 million since 1975 to colleges and universities for faculty research, graduate fellowships and program development in bioengineering.

Internal search under way for program director

The Office of International Programs has launched an internal search for a director of International Education Programs and Studies.

Primary responsibilities will be to assist with the University's overall internationalization initiatives; coordinate the unit's strategic planning efforts; and fulfill other duties as assigned. The individual in this position also is responsible for the development, implementation and administration of programs abroad for undergraduate and graduate

students. As director of International Education Programs and Studies, this individual will work with the academic units in developing programs to meet their students' needs and oversee the management of more than 100 existing programs.

The successful applicant will work half-time in the University Office of International Programs and half-time in his/her academic unit. It is essential that candidates possess experience with foreign institutions and cul-

tures. It also is essential for a candidate to be a tenured associate or full professor with some administrative experience.

The committee will begin the review process immediately, and will continue until the position is filled.

A letter of application, a full curriculum vitae and the names of four professional-related references should be sent to Robert L. Kidder, human resources coordinator, Box 30, Rider Building, University Park, Pa. 16802.

World Campus students travel across nation to honor professor

By KAREN TRIMBATH
Outreach and Cooperative Extension

Distance education may seem, well, distant, but five students enrolled in Noise Control Engineering — an acoustics program offered through the World Campus — recently dispelled that notion when they traveled across the country to honor their professor, Courtney Burroughs.

Burroughs, senior research associate at the Applied Research Laboratory and an associate professor of acoustics in the College of Engineering, met many of these students for the first time at a surprise gathering held recently at The Nittany Lion Inn on the University Park campus.

The students came from Michigan, Washington, Florida and Minnesota, and included engineers, architects and the president of a Seattle firm. They and six other students enrolled in the program gave Burroughs a plaque engraved with the title "Virtual Professor Extraordinaire" and an all-expenses-paid getaway to Seven Springs Resort.

Content for the program's three courses is delivered through a combination of technologies — including the Web, CD-ROM and e-mail, among others — but students at the gathering said that Burroughs developed personal connections through a series of ice-breaking questions, frequent phone calls to encourage them to persevere and chat rooms.

The students have gone beyond acoustics to sharing their lives, according to Julie Wiebusch, the president of the Greenbusch Group, an environmental architectural and acoustics firm based in Seattle.



Courtney Burroughs, senior research associate at the Applied Research Laboratory and an associate professor of acoustics in the College of Engineering, left, chats with Bill Hill and John Kapko, both World Campus noise control engineering students from Michigan who traveled to University Park to meet him.

Photo: Greg Gresco

"Courtney's great. He has helped me to understand the theory that supports the practical, hands-on experience I have," said Wiebusch. "When I first signed up for this program, I expected a sterile environment where I posted answers and received feedback. By reaching out online we have really gotten to know each other and we've all become really good friends. This is the first time we have met face-to-face. It's been very special."

Other students explained that the establishment of strong virtual connections made them want to make a phys-

ical Penn State connection. Mac McGowan from Jacksonville, Fla., said, "I just wanted to say hello and thanks. My degree is in electrical engineering and I design large sound systems. This is the acoustics program I have been looking for but never had time to pursue on a campus. Now I can participate online."

Ice cream from the Penn State Creamery, a tour of campus and a visit to the Nittany Lion Shrine also were part of the students' itinerary. Burroughs' wife, who had known about the surprise for several months, invited

all the students to a special dinner at their home.

"The World Campus has an advantage with people working full-time who can't go back to school," said Burroughs. "The challenge for the faculty member is to make the experience rich in content and highly interactive. I try to respond to my students pretty fast and make sure they know somebody's there for them."

Companies are facing increasing demands from government regulations and the public to control product, workplace and environmental noise levels. The noise control program, developed by faculty from the Graduate Program in Acoustics in the College of Engineering, can help professionals learn to develop treatments for noise problems. Completing the program prepares students to take the Institute of Noise Control Engineering certification exam. Burroughs is the program's lead faculty member and also teaches courses in architectural acoustics, structural acoustics and the acoustics of musical instruments.

The World Campus is a University-wide, technology-based delivery initiative that is extending some of Penn State's signature academic programs to learners around the world. It brings together the expertise of renowned faculty members, learner support services and resources such as library access, orientation, registration and records, advising, logistics, assessment, career services, and informal learning and social opportunities structured to meet the needs of today's busy adult learner.

More on the noise control program is online at <http://www.worldcampus.psu.edu/pub/programs/nce/index.shtml>.



Private Giving

Huntingdon Valley youth's gift to Abington honors his father

When most Jewish boys reach 13 years of age, they go through a rigorous Bar Mitzvah ceremony to show that they are ready to accept the obligations of the Ten Commandments. Though highly symbolic, the Bar Mitzvah marks the traditional transition from boyhood to manhood.

For Matt Arkans, a 14-year-old from Huntingdon Valley, that maturation process began eight years ago with the death of his father. With help from his mother, Barbara, he overcame the tragedy and, last October, when Matt finally reached his Bar Mitzvah, he showed that he did possess wisdom beyond his years. He will use money he received for his Bar Mitzvah to honor the memory of his father, a Penn State graduate.

This fall, Matt will make a \$1,000 con-

tribution to Penn State Abington, becoming one of the youngest donors in the history of the University. The Rick Arkans Memorial Scholarship will be awarded to a student with high academic achievement who demonstrates financial need.

Rick Arkans was a 1980 graduate of Penn State. Barbara Arkans recently continued her post-secondary studies at Penn State Abington, and Matt said he would like to study veterinary medicine at Penn State when he gets a bit older.

Matt — who enjoys playing the stock market and even requested Microsoft stock in lieu of an 11th birthday party — plans to work on an investment strategy with Penn State Abington so the money could possibly be used for a recurring scholarship.

Couple's \$120,000 gift to establish scholarships

The College of Education will award six first-year students \$5,000 annual scholarships, thanks to a gift of \$120,000 from A. Joseph and Phyllis Garner of Palm Beach Gardens, Fla.

The first of the A. Joseph and Phyllis K. Garner Scholarship in Education awards will be given this fall. Initially, they will go to academically talented undergraduates in the college with preference for students whose majors focus on teaching. This includes majors in secondary, special and elementary education.

After the first year, each recipient's award may be renewed annually for three more years.

The goal of the Garner Schol-

arship is to help the college recruit and retain outstanding students who plan to become teachers.

A. Joseph Garner, who attended Penn State after serving in the military during World War II, was chairman of the board of Central Storage and Transfer, a Harrisburg transportation business started by his father in 1921.

Interested students may apply immediately. To learn more about the scholarships, visit Dan Grow, the College of Education's coordinator of recruiting programs, certification and academic services, in 228 Chambers Building at University Park, call (814) 865-6999 or e-mail dxg2@psu.edu.

\$2.5 million NSF grant supports interdisciplinary program

A program designed to train graduate students in science and engineering in a more broad-based, career-specific manner has been created as the result of a \$2.5 million grant from the National Science Foundation (NSF).

With support from the NSF's Integrative Graduate Education and Research Training (IGERT) program, the University has created the Penn State Consortium for Education in Many-Body Applications.

"This program gives Penn State scientists and engineers the opportunity to cross traditional boundaries separating their disciplines and to collaborate in graduate education and research," said James Anderson, Evan Pugh professor of chemistry and director of the consortium. "We all face many-body problems, those involving collections of interacting particles, and we have much to learn from each other."

Participants from three colleges and eight departments form the consortium, which features a five-year plan that incorporates courses, research projects, summer internships, seminars and tutorials to train graduate students for leadership roles in advanced computational methods for many-body problems.

"This program gives Penn State scientists and engineers the opportunity to cross traditional boundaries separating their disciplines and to collaborate in graduate education and research."

James Anderson, director

Penn State Consortium for Education in Many-Body Applications

Along with Anderson, faculty members involved with the consortium include: Jayanth Banavar, professor and head of the Department of Physics; Wenwu Cao, associate professor of mathematics and materials science; Kristen Fichthorn, professor of chemical engineering and physics; Jainendra Jain, Erwin W. Mueller professor of physics; Sanat Kumar, professor of materials science and engineering; Lyle Long, professor of aerospace engineering; Kenneth Merz Jr., professor of chemistry; and Paul Plassmann, assistant professor of computer science.

"Some of these many-body problems are extremely complex, difficult to understand and difficult to solve," said Anderson. "Attempts to solve them often lead to misery, and misery loves company. So, we will share some

of the misery, but we will also share the pleasure of some important successes."

Such an outlook typifies the basis of IGERT program, which is designed to establish innovative, research-based graduate programs that train the next generation of scientists and engineers to take advantage of changing career options and use interdisciplinary approaches.

"Scientists and engineers are serving a more diverse range of needs, for a more diverse public than ever before. These are changes that the scientific community needs to embrace," said Rita Colwell, NSF director. "IGERT is planting the seeds of change — in culture, institutional structure and in a new generation of multi-faceted scientists and engineers. It is part of a continuum of efforts at

NSF to improve science, mathematics, engineering and technology at all levels."

Penn State's consortium plan includes the construction of a large parallel computer and a computer center. With goals for minority participation and retention, and a partnership with the College of Education to review the effectiveness of the program, investigators believe it offers a positive, proactive approach to educating graduate students.

In addition, in an effort to serve as many graduate students as possible, the consortium plans to fully fund students for three years with support for their fourth year coming from other sources. As a result, the consortium plans to serve 35 students during its initial five-year period.

The IGERT grant represents the second such award for Penn State in the three-year history of the program. In 1999, a contingent led by Susan Brantley, professor of geosciences, Katherine Freeman, associate professor of geosciences, and Jean Brenchley, professor of microbiology and biotechnology, received a grant and created the Penn State Biogeochemical Research Initiative for Education.

Grant will aid foreign language project

While still only in its first year of operation, the Center for Language Acquisition, part of the College of the Liberal Arts, has received a grant in excess of \$400,000 to support the "Penn State Foreign Language Telecollaboration Project."

Awarded by U.S. Department of Education's International Research and Studies Program, the grant will provide up to three years of support for the project.

A team of faculty and graduate students will evaluate the effectiveness of different technologies in helping students acquire a second language, as well as how such collaboration develops cultural understanding.

Principal investigators for the project are James Lantolf, professor of linguistics and Spanish and director of the Center for Language Acquisition; Jeannette Bragger, professor and head of the Department of French; and Steven Thorne, senior lecturer in language acquisition and associate director of the Center for Language Acquisition. The other members of the project are Celeste Kinginger, associate professor of French; Julie Belz, assistant professor of German; Julia Kushner, lecturer in psychology and a member of the staff in the Center for Language Acquisition; Antonio Jimenez, Eduardo Negueruela and Gabriela Zapata, graduate students in the Department of Spanish, Italian and Portuguese; Lara Lomicka, graduate student in the Department of French; and Ana Koenig, graduate student in the Department of German and Slavic Languages and Literatures.

Over the next three years, the project will

involve approximately 150 students each semester who are taking advanced courses in French, German and Spanish. They will keep in contact with native speakers of the respective languages, and will talk with one another through e-mail, in chat rooms and on video so they are immersed in language and culture through the aid of technology. A control group of Penn State language students will complete the same projects and activities as their peers, but without telecollaborating with native speakers.

"We expect the study to confirm two things," Lantolf said. "First, because students will be learning a language with the benefit of contact with native speakers, they will become more culturally sensitive. Second, since students will be speaking with authentic users — rather than using textbook examples of standard language — their language will show it. Students will be speaking using the metaphors of the language they are learning. Metaphor use indicates a high level of understanding a language."

The Center for Language Acquisition is the only place in the country conducting a study of such scope. In addition, the University recently developed a state-of-the-art Language Learning Center, a place where students and faculty have access to mass media broadcasts from other countries, real-time video conferencing, international e-mail and telephone connections, and more. With the telecollaboration project under way and with the technological equipment in place, Penn State is well-suited to assume a leadership role in evaluating the newest high-tech language teaching methods.

Coalition to revitalize manufacturing education

The manufacturing landscape looks brighter for industry, education and students in southwestern Pennsylvania with about \$3.3 million targeted to a coalition of colleges and universities to create a partnership aimed at revitalizing manufacturing education.

The PRIME Coalition (Partnership for Regional Innovation in Manufacturing Education) is made up of Penn State New Kensington, Robert Morris College and the community colleges of Allegheny, Butler and Westmoreland counties.

Robert Morris College will be the lead institution for the PRIME program, which is expected to create a structure that will link K-12, certificate and apprenticeship programs to a region-wide system of higher education.

Accountable to industry, the PRIME initiatives and degree programs will create integrated educational courses to meet industry, student and economic needs. Seven new manufacturing degree programs will be offered as a result of the coalition being formed.

The coalition was developed through a partnership of the Heinz Endowments in Pittsburgh and the Society of Manufacturing Engineers Education Foundation (SME-EEF). The funding comes from a \$500,000 grant from the SME-EEF, about \$2.25 million from colleges and universities and \$577,000 from industry partners.

In order to be eligible for grants from SME, colleges and universities must target competency gaps which industry says exist among recently hired engineering students. The PRIME Coalition's programs will address 12 of the 15 competency gaps that have been identified, including communication skills, problem-solving and project-management skills.

The SME Education Foundation's mission is to serve the manufacturing community by providing support for the advancement of manufacturing education. Since the launch of the Manufacturing Education Plan in 1998, SME-EEF has made 19 major awards totaling more than \$4 million to colleges and universities throughout North America, including \$1.1 million for the year 2000.



Arts & Entertainment

Two acts set for Jordan Center

Touring for the first time as a couple, country music superstars Tim McGraw and Faith Hill will appear at 8 p.m. Friday, Sept. 8, at The Bryce Jordan Center on the University Park campus. Tickets are \$62.50, \$52 and \$31 for reserved seats.

Then, on Sept. 17, The Other Ones bring Furthur 2000 to the stage. Tickets for that event are \$31 and \$26.50 for reserved seats.

McGraw is one of the best-selling and most prolific male touring acts in country music history. The Academy of Country Artists most recently awarded him the Top Male Vocalist of the Year. Hill, the multi-platinum, cross-over artist whose record-breaking release "Breathe" already has sold nearly 4 million copies and spawned two No. 1 hits, was most recently voted TNN Music Award's Female Artist of the Year. The tour will feature solo performances from both artists, as well as a special set of duets.

The Other Ones arose from the Grateful Dead in 1998, and Dead fans rejoiced and danced at the Furthur Festival in cities across the nation. The Other Ones are Mickey Hart (percussion, vocals), Bill Kreutzmann (percussion), Bruce Hornsby (keyboards, vocals), Bob Weir (rhythm guitar, vocals), Alphonso Johnson (bass), Mark Karan (lead guitar, vocals) and Steve Kimock (lead guitar). Supported by Ziggy Marley and the Melody Makers, Furthur 2000 will tour North America in late August and September.

Tickets for both shows are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555, or online at <http://www.bjc.psu.edu/>.

Center for the Performing Arts

This year's Center for the Performing Arts season of performances promises to thoroughly entertain audiences through song, dance and story. Central Pennsylvanians can enjoy the benefits of subscribing to the center, gathering a group of friends and family for great discounts and great seats, or buying individual tickets to any of the Center's events offered in Eisenhower and Schwab auditoriums on the University Park campus.

Most notable in this year's lineup is the return of the internationally acclaimed, award-winning musical *Les Misérables* for a weeklong engagement in March 2001. Based on Victor Hugo's classic novel, this epic saga sweeps through three turbulent decades of 19th Century France. It is the story of one man, Jean Valjean, who is pitted against the cruel and self-righteous Inspector Javert in a lifelong struggle to evade capture.

The center also is host to a variety of other Broadway national tours ranging from the all-time family favorite *Peter Pan* to the hot and steamy *Chicago*, set in the Roaring Twenties; and from the lavish and romantic *Show Boat* to the passion and horror of *Phantom*, by Tony Award winners Arthur Kopit and Maury Yeston (known for their work on *Titanic*, *Grand Hotel*, and *Nine*).

Classical diversions at the center include top-flight artists such as the Pittsburgh Symphony Orchestra and the Alexander String Quartet. From around the globe come the London City Opera, returning to State College with Georges Bizet's tragic opera *Carmen* and the Royal Ballet of Flanders, performing the



"Self Portrait: Do Not Touch" is part of the exhibit "Out of the Box: Myths and Reality," pieces by Dori Grace Lemeh, on display at the HUB-Robeson Center on the University Park campus through Aug. 30.

swashbuckling adventures of *The Three Musketeers*.

The Amernet String Quartet joins with the Pennsylvania Chamber Chorale to present *Prairie Songs*, a world premiere commission from Penn State alumnus and award-winning composer Mike Reid.

New stars also appear on the horizon, as pianist Paavali Jumppanen and violinist Ju-Young Back perform as winners of the 2000 Young Artists International Auditions and the Pennsylvania Prize.

For the young at heart, Theatreworks/USA brings the zany musical *Lyle, Lyle Crocodile*, Omaha Theatre for Young People entertains with *Come Back, Amelia Bedelia* and ODC/San Francisco retells *The Velveteen Rabbit* through dance.

New to this year's subscription offerings at the Center, the "Pick Your Own" package includes something for everyone.

ACTER, five leading actors from the London stage, presents Shakespeare's *As You Like It*. The Verovfka Ukrainian National Dance Company of 80 performers combines the creative and artistic traditions of their rich heritage with folk singing and dancing. The sensuality and sophistication of *Argentina* sizzles in the thrilling dance musical *Tango Passion*.

Bending the lines between art and sport, former members of the Romanian gymnastics team create an illusion of flight through dance and movement in *Aeros*.

UNIVERSITY PARK CALENDAR

August 11 - August 24

SPECIAL EVENTS

Tuesday, August 15

Ag Progress Days, Rock Springs, through Aug. 17.

EXHIBITS

Engineering Unit C

Works from Spring 2000 Architecture 432 class, Aug. 24 through Aug. 31.

HUB-Robeson Center

"Diverse Unity in Art," through Sept. 15.

"Out of the Box: Myths and Reality" by Dori Grace Lemeh, through Aug. 30.

"Eli Groninger Woodward: Metal Art," through October. "Visual Serendipity: Paintings by Jaime Ursic," through Aug. 30.

North Halls exhibit area

"Postcards from the Reconstruction: Paintings by Norman Fetter," through Aug. 15.

Palmer Museum of Art

"Abe Ajay: Constructions and Collages," Special Exhibitions Gallery I and American Works on Paper Gallery, through Sept. 11.

sva2000 Faculty Exhibition, Special Exhibitions Gallery II, through Sept. 17.

Ritner exhibit area

"Route 550 South: Images by Kathryn Murken," through Aug. 17.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Also on the schedule are: Jazz violinist Regina Carter; the River City Brass Band; recording artist Maureen McGovern and pianist John Pizzarelli team up for a performance of ballads and show tunes; The Smithsonian Jazz Masterworks Orchestra presents a tribute to jazz greats in 100 Years of Jazz; and ODC/San Francisco performs dance pieces.

In an effort to provide cultural diversity and expand the performing arts repertoire, the center supports several community-based performances this season.

"Performative Sites: Intersecting Art, Technology and the Body," a symposium co-sponsored by the School of Visual Arts and the center, focuses on the impact of technology on the body and identity.

Collaboration between Loaves and Fish Traveling Co. and Penn State's Essence of Joy choir, directed by Tony Leach, assistant professor of music, celebrates Black History Month with an inspirational collection of African American sermons and spirituals, titled "God's Trombones," by James Weldon Jones.

The Cleveland Orchestra Youth Orchestra provides young musicians, aged 12 to 19, with a high-quality orchestral experience. Several Center Community students will join the orchestra to entertain the community.

Finally, The Metropolitan Opera National Council Winners and the State College Choral Society offer an evening of vocal virtuosity.

For more information, call the center at (814) 863-0255 or (800) ARTS-TIX, or visit the Web at <http://www.cpa.psu.edu/>.

New lights for the Jordan Center



The Bryce Jordan Center is currently undergoing a sport lighting improvement that will make this upcoming Nitary Lion and Lady Lion basketball season brighter. The entire sport lighting system is being upgraded to a North Star Lighting configuration, the same system that is being used by the United Center in Chicago, home of the Chicago Bulls and Blackhawks. All 296 lights at the Jordan Center are being replaced by the enhanced system and should be fully operational by Oct. 1.

Photo: Greg Grieco

BOOK SHELF

Robert J. Bresler, professor of public policy in the Capital College, has written a new book

Us vs. Them: American Political and Cultural Conflict from WW II to Watergate, published by SR Books, is part of the "American Visions" series.

The book discusses how politics and culture changed dramatically from 1945 to 1975, and explores the roots of America's current cultural wars. The volume is divided into two main parts: the first is an essay by Bresler which examines events and changes in prevailing American consensus; and the second contains selected documents and essays which first express the consensus and then its splintering.

The book attempts to review how popular culture — books, movies and

music — and values changed during this period.

Brian Black, assistant professor of history and environmental studies at Penn State Altoona, is author of a new book.

Petrolia: The Landscape of America's First Oil Boom, published by Johns Hopkins University Press.

The book offers a geographical and social history of a region of Pennsylvania that was not only the site of America's first oil boom, but also was the world's largest oil producer between 1859 and 1873. By using early photos from the 1860s, Black was able to recreate the pattern of change that descended on the Oil Creek Valley following the discovery of the first petroleum well near Titusville in 1859.

PENN STATERS

Dinesh Agrawal, professor of materials and director of the Microwave Processing and Engineering Center, gave presentations on the recent developments in microwave technology at MRL, at Bharat Heavy Electricals Ltd., Hyderabad, India; Solid State Physics Lab, New Delhi, India; GE Aviation Services, Singapore; and Royal Melbourne Institute of Technology, Melbourne, Australia.

Lonnie Golden, associate professor of economics at Penn State Delaware County, presented a paper, "Better Times For Employees? The Incidence of Work Schedule Flexibility in the U.S.," at the International Society of Work and Organizational Values bi-annual conference in Jerusalem.

The American Society for Testing and Materials Committee F08 on Sports Equipment and Facilities has recognized the contributions of two Department of Agronomy faculty members. **George Hamilton** was honored for his significant contributions as Interlaboratory Study Coordinator for three standards developed within Subcommittee F08.64 on Natural Playing Surfaces. **Andy McNitt** was recognized for his contributions to the development of shoe-surface traction test methods by Subcommittee F08.54 on Athletic Footwear. The society was organized in 1898 and has grown into one of the largest voluntary standards development systems in the world.

Jean B. Hill, interior design coordinator in Auxiliary Services, was recognized at the most recent Association of University Interior Designers annual conference at the University of Kansas in Lawrence. She won two awards in the design competition: first place in the Renovations Over \$150,000 category for her project, BB's Broadhead Bistro; and a certificate of merit in the New Construction category for her residence hall project, Cedar Hall.

Win Hock, professor of plant pathology and director of the Pesticide Education Program, was the keynote speaker at the Newfoundland Turf Conference 2000 in Gander, Newfoundland. He also gave a workshop on pesticides and medical relations, and presented talks on the Food Quality Protection Act and potential health effects of pesticides.

Kathryn James, family living agent in Carbon County, received the National Council on Family Relations' Certified Family Life Educator designation. This credential recognizes James as a qualified family life educator with proven background and knowledge in 10 areas.

Ke Chung Kim, professor of entomology, presented the keynote talk, "The Movement for Preserving the Korean DMZ for Conservation and Peace," at the 2000 Healthy DMZ Conference in Kangwon-Do, South Korea. Kim led a major effort to protect the biodiversity of Korea by treating the demilitarized zone (DMZ) separating North and South Korea, an area untouched in more than 40 years, as if it were a nature reserve.

Norris J. Lacy, Edwin Erle Sparks professor of French, was recently presented a volume of essays in his honor. The presentation of *Por le sole amiste: Essays in Honor of Norris J. Lacy* was made at a dinner during the International Medieval Congress held at Western Michigan University. Edited by colleagues at the University of Wisconsin and the University of Georgia and published by Rodopi (Amsterdam), the volume includes essays by scholars from North America, France, England, Germany, Italy and The Netherlands. At the same congress, two sessions were organized in Lacy's honor.

James P. Lantolf, director of the Center for Language Acquisition and professor of applied linguistics and Spanish, taught a two-week seminar on sociocultural theory and second-language acquisition at the Australian Applied Linguistics Institute sponsored by the University of Melbourne. He also delivered the opening plenary address at the combined session of the annual meetings of the Australian Linguistics Society and the Australian Applied Linguistics Association, also held at the University of Melbourne. The title of his presentation was "Language Play and Second Language Acquisition: Theorizing the Private Speech/Learning Interface."

Robert E. Newnam, professor emeritus of solid state science, delivered the plenary lecture, "Molecular Mechanisms in Smart Materials" at the Sixth International Congress on Applied Mineralogy at the University of Göttingen, Germany. He also gave a seminar on "Composite Transducers" at the Acoustics Department, ISEN, of the Catholic University, Lille, France.

Mary Saunders, associate professor of music, and **Beverly Patton**, associate professor of theatre, presented a workshop, "Bel Canto or Can Bello — Training Musical Theater Singers for the New Millennium," at the first International Music Theatre Congress, "Broadway on the Ruhr: Current Developments in Musical Comedy Production, Management, Performance and Music Education." The workshop showed voice teachers at the college or graduate level the ways in which theatre training and traditional classical music training diverge; examined the acoustical uses of voice in contemporary theatre music; and demonstrated techniques and applications of those uses.

Thomas Watschke, professor of turf grass science, recently gave two presentations, "Grasses of Golf Courses" and "Grass Species for the 21st Century" at the British and International Golf Greenskeepers Association in Harrogate, England. The BIGGA Turf Management Exhibition and Educational Seminar Programme is held each year in England for greenskeepers throughout Europe. Watschke also received the Northeastern Weed Society Outstanding Education Award at its annual meeting in Baltimore.



Awards

Libraries honor three employees

The University Libraries recently honored members of its staff. Those recognized are:

■ Steven Herb, head of the Education and Behavioral Sciences Library since coming to Penn State in 1992, is the recipient of this year's University Libraries Award. An affiliate associate professor of language and literacy education, Herb recently developed and taught "Stories and Storytelling: How Humans Become People," for which he was named this year's "Most Innovative Teacher" by the Schreyer Institute for Innovation in Learning and the Undergraduate Student Government Academic Assembly.

Herb's interest in the oral tradition and storytelling led him to co-author *The Nitty Gritty Lion: An Illustrated Tale*, a history of the Penn State mascot. He and his wife, Sara Willoughby-Herb, are currently working on a book about the father's role in influencing children to read. They also collaborated on *Using Children's Books in Preschool Settings*, published in 1994.

Over the past year, Herb gained approval from the Library of Congress to establish a Pennsylvania Center for the Book at Penn State, which he now directs. The University Libraries Award was instituted in 1974 to recognize Libraries employees for their professional contributions to Penn State and the library science communities.

■ Michelle Dzyak, library assistant in the Penn State University Archives in The Eberly Family Special Collections Library, and Stephanie Movahedi-Lankarani, reference desk assistant in the William and Joan Schreyer Business Library, have received the Margaret Knoll Spangler Oliver Libraries Award.

Dzyak has been a member of the University Archives staff since 1990. Last year, she organized and planned the University Archives' move to Paterno Library, and her ideas have led to numerous improvements in the unit's operations. She also helped to develop a procedures manual now sold nationwide by the Society of American Archivists as a model of good practices.

Dzyak is active in many local organizations and also served as the local arrangements co-chair and business manager for the Mid-Atlantic Regional Archives Conference Spring 1999 Meeting, held at Penn State.

Movahedi-Lankarani joined the University Libraries in 1984 as a reference desk assistant in the life sciences department. In 1995, she became an information desk assistant in the general reference section, and in 1999 assumed her current position as a reference desk assistant in the Business Library. She holds a B.S. in art history from the University of Illinois and has studied piano at the National Academy of the Arts in Urbana-Champaign, Ill.

Margaret Knoll Spangler Oliver's family established the award in her memory in 1995 to honor outstanding service by Libraries employees. Oliver was a Penn State librarian from 1945 to 1965.

DuBois director of student affairs honored

Sean Kelly, director of student affairs at Penn State DuBois, has been honored for his service to students at the DuBois campus with an award from the University.

Kelly has received The 2000 John W. Beatty Outstanding Chief Student Affairs Officer Award, presented annually in recognition of years of continued service to a campus and the University.

The award is one of a handful of Outstanding Services to Students Awards established in 1991 by the Council of Chief Student Affairs Officers to recognize student affairs employees across the University who continually demonstrate a commitment to their students through their work as



Sean Kelly

increased the number of student social/service clubs from 12 to 22-24 per semester, and has established a cultural events series that provides free entertainment for students and the community. He is continually expanding and improving upon the

mentors, advisers and counselors.

Kelly's work has directly influenced the quality of student life at Penn State DuBois. Since joining the campus he has

student orientation process, and also has developed an orientation program tailored specifically to meet the needs of the returning adult learner.

He also created a Cultural Luncheon Series, and schedules Black History Month and Women's History Month activities on campus. His desire to offer more leadership opportunities for students led to the creation of LEAD PSU, which has provided leadership training to more than 150 students.

Kelly began his career with Penn State in 1987. He was a protégé of the late John W. Beatty, director of student affairs at Penn State McKeesport, for whom the award he received was named.

Student life coordinator cited

Rebecca Pennington, student life coordinator at Penn State DuBois, has been recognized by the University for her work in orchestrating a program that promotes the responsible use of alcohol among students and the community at large.

Pennington is the recipient of the 2000 Vice President's Award for "exemplary coordination" of the campus BACCHUS program. The award is presented annually.

BACCHUS, which stands for Boost Alcohol Consciousness Concerning the Health of University Students, is a national organization that relies on peer education to stress responsible drinking habits, rather than abstinence.



Rebecca Pennington

Kinesiology professor lauded

The Penn State Chapter of the Golden Key National Honor Society has selected James G. Thompson as its "2000 Outstanding Faculty Member."

Thompson is professor of kinesiology in the College of Health and Human Development's Department of Kinesiology. He will receive the award and be inducted as an honorary member in the Golden Key National Honor Society at a formal ceremony scheduled for Oct. 15 in Eisenhower Auditorium on the University Park campus.

Thompson has served as acting head of the Department of Kinesiology, as associate department head, coordinator of graduate programs, chairman of the basic physical education program and coordinator of the graduate assistant program.

Student affairs coordinator hailed

Brian Mauro was presented with the 2000 Student Appreciation and Recognition Award at the Penn State Lehigh Valley campus' 14th annual Honors Convocation.

The award is presented annually to a staff or faculty member chosen by the students for outstanding work and dedication to the success of students on campus.

As student affairs coordinator, Mauro acts as the adviser to the student government, coordinates student programming and orientation and schedules cultural events. He also coordinates housing locally and transfer housing for students leaving the campus. Mauro came to Penn State Lehigh Valley in October 1998.

Assistant professor earns outstanding teaching award

Ivan Albert Shibley Jr., assistant professor of chemistry at Penn State Berks, was recently awarded that campus' Full-Time Outstanding Teaching Award. Karl R. Heister, a mathematics instructor, was given the campus' Part-Time Outstanding Teaching Award.

Shibley has been with the Berks campus since 1996 and teaches organic chemistry and chemistry. He earned his Ph.D. in biochemistry at East Carolina University; his teaching certification from the University of Central Florida; and he graduated cum laude with his bachelor of science degree in chemical engineering from the University of Pittsburgh.

Before coming to Penn State, Shibley spent a year at East Carolina University School of Medicine on a fully funded predoctoral fellowship where he conducted research into fetal alcohol syndrome and taught medical biochemistry to first-year medical students. Additionally, Shibley taught physics, chemistry, materials and radiation safety at the Naval Nuclear Power School in Orlando, Fla., where he held the rank of lieutenant in the U.S. Navy.

Heister, a math teacher in the Governor Mifflin School District where he's taught since 1958, has taught at the Berks campus since the mid-1970's. Additionally, he taught business statistics at Alvernia College for five years. He earned his master's in education with a concentration in chemistry and his bachelor of science degree in secondary education from Penn State. He is a member of a number of national and statewide professional societies.

Research associate wins student advocate award

Andy Vavreck, research associate at Penn State Altoona, received the College of Engineering's Lawrence J. Perez Memorial Student Advocate Award. This award was established in 1990 by family and friends of Larry Perez, former assistant dean and professor of civil engineering.

Vavreck was nominated by students to receive the award, which recognizes a faculty member who devotes time and effort assisting engineering students with personal and/or academic problems; contributes to the welfare of students; and enriches the College of Engineering.

DuBois instructor helps to bring wheelchairs to needy in Poland

A Penn State DuBois faculty member recently returned from Poland, where she used her healthcare training to fit wheelchairs for people with disabilities. Barbara Reinard, coordinator of the physical therapist assistant associate degree program at the campus, recently traveled to Warsaw, Poland, to take part in the Wheels for the World mission project.

Wheels for the World provides wheelchairs for disabled people in under-served countries.

Through the project, healthcare providers like Reinard help fit those in need with a wheelchair

and show them how to use it properly.

Reinard, a resident of Homer City, made the 12-day trip with 17 other volunteers from across the United States. Once in Poland, she was among a group of 11 who were stationed in Warsaw and traveled to small towns surrounding the city to distribute the chairs.

With her extensive training in physical therapy, Reinard was the group's seating specialist. Her job was to evaluate the needs of an individual, select the appropriate wheelchair, and determine what adjustments had to be made for a correct fit. While in Poland, her group distributed 125 wheelchairs. They also made modifications to many others already owned by patients but in need of re-fitting.

"It was so wonderful to be able to provide wheelchairs to these people," said Reinard. "Most of them couldn't walk without assistance and had spent their entire lives relying on others to get around. It was so exciting to see them in their chairs and finally have some freedom of movement. Some of the children we helped had never been able to move by themselves. Once they got in their new chairs, they went wild."

Reinard will be making good use of her latest experience. She plans to show slides from the trip in her physical therapist assistant classes to help illustrate what students are learning.

Reinard said the journey also gave her a fuller appreciation of how good many Americans have it. For the trip, volunteers were asked to bring knee pads to make their work more comfortable.

"I took a beat up old pair of volleyball ones I was planning to throw out anyway," she said. "As I was working on a little girl who was about 8 years old, her father pointed to my pads and began asking questions. Our translator explained the man's daughter had cerebral palsy and, as a result, often fell. Her father was asking if he could have my knee pads to protect her. I was touched that something I planned to throw out held so much value to her. I was glad to turn them over to her, and before we left for home several other volunteers gave away their knee pads, too."

Wheels for the World is a project of Joni and Friends, the Disability Ministry of Joni Eareckson Tada, based in Agoura Hills, Calif. Since its founding, the ministry has delivered 7,000 wheelchairs to more than 23 developing countries.

Spend a Summer Day



Many prospective students and their parents visited the University Park campus during the end of July and beginning of August for Spend a Summer Day at University Park, a special program designed to give prospective students information they need to decide about applying for admission. For those not able to attend those special visitation dates, the Undergraduate Admissions Office offers one-hour group information sessions that include campus tours. For more information, call (814) 865-5471 or check the Web at http://www.psu.edu/dept/admissions/visits/sas/sasd_2000.html

Photo: Greg Grieco

DuBois renovation work set to begin

Renovation work will begin later this summer on the new administrative center at Penn State DuBois.

The campus expects to open the center, called Symmco House, in January. The house will contain the offices of the campus executive officer, and the campus Continuing Education and University Relations units.

Symmco House is a city landmark. The house was built at the turn of the 20th century by lumberman John E. DuBois as a residence for his sisters, Lucy and Cassie. For the next nearly 100 years, the house was home to several generations of the DuBois family.

Penn State DuBois purchased the home in December 1998 and will renovate it with a \$100,000 gift from The Symmco Foundation of Sykesville.

The campus is currently seeking donations of period pieces of furniture to help decorate the home after the renovations. President Graham B. Spanier made the initial gift, a long wood table topped with marble.

Historic photos of the area that can be copied, framed and displayed also are needed.

Anyone who would like to donate a piece for display in Symmco House should call Claudia Limbert at (814) 375-4705 or e-mail her at ca818@psu.edu.

NEW AT PENN STATE

Professors establish "Ask Dr. Science" Web site

A group of science and engineering professors is extending a helping hand to high school students with a newly launched "Ask Dr. Science" Web site.

The group, assembled by physics professors Milton Cole and Paul Sokol, offers answers to questions about science and engineering. According to Cole, there is a lot of information on the Internet, but sometimes it's hard to find information on a specific question, or to know the quality of the source from which you're getting your answer.

With the cooperation of professors from a number of different departments, the site can provide expert answers to questions on topics from astronomy to psychology and biology to nuclear engineering. So far, more than 40 professors from 10 departments have volunteered to serve as consultants.

"This is something a lot of us have been doing for years," Sokol said. "We've answered questions for our children, for their friends or for people we know. We're just putting it together in a more organized manner as a resource that can grow."

For more on this story, go to <http://www.science.psu.edu/alert/Cole7-2000.htm>. To ask a question, go to <http://askdrscience.phys.psu.edu/>.

Program to aid single parents, displaced homemakers

The New Choices/New Options program at Penn College that provides career guidance and life-skills training for nearly 200 single parents, displaced homemakers and those pursuing nontraditional vocations has been awarded \$156,480 in state funding for the 2000-01 academic year.

The program focuses on high-tech, high-wage jobs through which participants can gain economic self-sufficiency. Students receive exposure to math and science and other areas of technical training to aid in the pursuit of technological careers. Financial assistance for tuition and books is provided, as are an array of career-counseling and personal-support services.

For more, go to <http://www2.psu.edu/news/miscella/choices0700.htm>

New athletic fields at Erie

Work is under way on two new athletic fields at Penn State Erie that will be available for baseball and softball in spring 2002. Construction of the new fields is necessary because of a highway access construction project near the campus that will eliminate the existing softball field near the campus entrance.

In addition, construction of the Larry and Kathryn Smith Chapel and the Floyd and Juanita Carillon will begin on the campus Aug. 15.



Appointments

Associate editor promoted to editor of *Intercom*

Annenmarie Mountz has been promoted to manager of internal communications and editor of *Intercom* in the Department of Public Information. Mountz, who had been associate editor of internal communications/*Intercom* for the past five years, replaces Lisa Rosellini, who left to become administrative project coordinator in the Office of the President.

In her new role, Mountz will guide the production of *Intercom*, Penn State's faculty/staff newspaper; produce the Penn State Employee Newswire; and serve the department's needs with the development and



Annenmarie Mountz

update of Web sites for various special projects.

Before coming to Penn State, Mountz worked at the *Centre Daily Times* in State College from 1988 to 1995. During her tenure there, she worked in the news, sports and features departments, first as a copy editor and page designer, and then as an assistant news department head and features section editor.

Before that, she was a staff photographer for a New Jersey newspaper chain.

Mountz earned a bachelor's degree in journalism from Penn State.

ARL selects new Navy ManTech program director

Robert Cook has been selected to head the Navy Manufacturing Technology (ManTech) program effort at the Applied Research Laboratory (ARL). In his capacity as program manager, Cook becomes director of the Institute for Manufacturing and Sustainment Technologies (IMAST), a U.S. Navy ManTech Center of Excellence.

Cook previously served as program manager for the super-cavitation vehicles effort within the Fluids and Structural Mechanics division of ARL. Before



Robert Cook

joining ARL in 1998, he served as a career nuclear submarine officer. In addition to serving as commander of the USS Sea Devil, Cook was a program manager within the Naval Sea Systems Command, and also within the Program Executive Office for Submarines.

A graduate of the U.S. Naval Academy with a degree in ocean engineering, Cook holds master's degrees in mechanical engineering and ocean engineering from the Massachusetts Institute of Technology.

Inquirer photo editor is fall Professional-in-Residence

Donna Hendricks, photo editor for *The Philadelphia Inquirer*, will join the College of Communications this fall as its Professional-in-Residence.

Now in its eighth year, the Professional-in-Residence program, co-sponsored by the College of Communications and *The Inquirer*, offers professional journalists the opportunity to spend a semester at Penn State. While at the University, the journalists teach courses, collaborate with faculty and meet with students to advise them on their career objectives. In addition, the jour-



Donna Hendricks

nalists may take classes to strengthen their own skills.

Hendricks began her career as an editor, reporter and broadcast writer for United Press International before joining *The Sun-Sentinel* in Fort Lauderdale, Fla., as a news editor.

Having joined *The Inquirer* as a news editor, she has served as a photo editor for its features department for the past two years. She is currently responsible for the selection of the section's front-page photos, a job that requires close coordination with news editors, content editors and graphic designers.

firm. He has an extensive background in manufacturing, sales, marketing, operations, finance and information systems.

Gilbert will assist in managing the day-to-day activities of the TTC, including development and management of grants; research and development projects for business and industry; development and management of training programs, seminars and consulting services; and assisting in the management of costs and budgets.

Penn College has new Technology Transfer Center director

Dennis E. Gilbert has been named director of the Technology Transfer Center at Penn College.

A Williamsport native, Gilbert is a Penn College alumnus with a degree in computer science. He has more than 14 years of technology-related experience, with the past 10 years in a technology business-management capacity.

For the past four years, Gilbert was general manager for New MMI Corp., serving as the key local executive of that

Hershey Medical Center names chief operating officer

Steven D. Baron has been appointed executive director and chief operating officer of The Milton S. Hershey Medical Center.

Baron has been a national leader in developing programs to promote high quality in nursing services and patient care. He comes to Hershey from Rhode Island, where he was president of Lifespan Rhode Island and president of Rhode Island Hospital and The Miriam Hospital, a major teaching hospital of Brown University School of Medicine. In this position, Baron oversaw all Rhode Island health care operations with 1,234 beds, an operating budget of \$680 million and 7,300 employees.

Before this position, which he assumed in 1997, Baron was executive vice president and chief operating officer of Lifespan, and president of Rhode Island Hospital and The Miriam Hospital from 1994 to 1997. He was president and chief executive officer of The Mir-



Steven D. Baron

am Hospital from 1988 to 1994, and executive vice president and chief operating officer from 1982 to 1988. Baron was associate executive director of Newton-Wellesley Hospital in Newton Lower Falls, Mass., from 1978 to 1982.

Baron received a bachelor's degree in psychology from Rutgers-The State University, New Brunswick, N.J., and an MBA in health-care administration from George Washington University.

Baron was a founding member of the board of directors of the Lifespan/Brown University Education and Research Foundation. He has held numerous leadership positions with the Hospital Association of Rhode Island.

An active community volunteer, Baron serves on the Rhode Island Governor's Advisory Council on Health and is a member of the Rhode Island Department of Health's State Prevention Health Advisory Committee.

Health and Human Development appoints associate dean

Fred W. Vondracek has been appointed associate dean for outreach in the College of Health and Human Development.

Vondracek's responsibilities will include providing leadership for all the outreach, Cooperative Extension and international initiatives sponsored by the college. A member of the Penn State faculty since 1969, Vondracek, professor of human development, has served as acting head of the Department of Human Development and Family Studies, and as professor-in-charge of undergraduate programs and internship programs in the same department. He was director of the Division of Individual and Family Studies and professor-in-charge of continuing education and community service programs in the College of Human Development.



Fred W. Vondracek

Vondracek is internationally known for his research on career development.

He is a member of a number of professional organizations and serves on the editorial boards of the *International Journal of Behavioral Development*, *The Journal of Adolescent Research*, *The Journal of Vocational Behavior* and *Career Development Quarterly*.

He has co-authored two books, published more than 65 book chapters and journal articles, and has made scientific presentations at more than 60 meetings and conferences.

He received his B.A. in psychology in 1964 from Concord College, W.Va., his M.S. in psychology in 1966 from Penn State and his Ph.D. in clinical psychology in 1968 from Penn State.

Department of Chemical Engineering welcomes new head

Henry Foley has been named the new head of the College of Engineering's Department of Chemical Engineering.

Before coming to Penn State, Foley served as a professor of chemical engineering at the University of Delaware. There, he also was director of the university's Center for Catalytic Science and Technology.

Foley's extensive industrial experience includes working for American Cyanamid Co. and consulting with DuPont, Englehard Corp. and many other companies. His research areas are nanoporous carbon materials for catalysis and separation, reaction engi-



Henry Foley

neering, adsorption and kinetics.

Foley received his B.S. from Providence College and his Ph.D. in physical chemistry from Penn State. He holds numerous memberships in professional and honorary societies.

He was a founding member of the American Institute of Chemical Engineers' Catalysis and Reaction Engineering Division and served as its chair.

He has 12 patents, has authored more than 80 papers and several book chapters, and will soon publish an introductory text on chemical engineering analysis using Mathematics.



Partings

Liberal arts professor retires with emeritus status

Arthur E. Goldschmidt Jr., professor emeritus of Middle East history, retired June 30. He joined the Penn State faculty in 1965, and taught at the University Park campus in addition to serving as visiting professor at the University of Haifa in 1973-74 and as a visiting research fellow at Cairo University in 1981-82. Most recently in 1998, he conducted his research at the American Research Center in Egypt.

Educated at Colby College and Harvard University, Goldschmidt has held fellowships from the Social Science Research Council and the Fulbright Faculty Research fund, among others. He is author of numerous books and many articles and essays on Middle



Arthur E. Goldschmidt

Eastern history. He was an elected faculty senator, chaired its committee on student affairs and served as secretary. He chaired the Middle East Studies committee for 25 years.

Goldschmidt has been known during his years at Penn State for having created a series of courses that stimulated undergraduate interest in Middle Eastern history and culture. He also was instrumental in helping to devise courses in non-western history and in developing the successor to those courses for the general education curriculum.

Goldschmidt won a variety of awards for excellence in teaching. He expects to spend his retirement writing, consulting and traveling.

Professor emeritus served University for 31 years

Richard Hogg, professor emeritus of mineral processing and geo-environmental engineering, retired from the University after 31 years of service in the College of Earth and Mineral Sciences.

Hogg joined EMS in 1969 as an assistant professor of mineral processing after earning M.S. and Ph.D. degrees in mineral technology from the University of California, Berkeley. He served the college as chair of the Mineral Processing Section in the Department of Mineral Engineering from 1986 to 1998 and as



Richard Hogg

chair of the Geo-Environmental Engineering Program from 1993 until his retirement.

Hogg's research focused on colloid science, particle technology and process engineering including analysis and modeling of mineral and fine particle processes. He received the Antoine M. Gaudin Award and the Arthur F. Taggart Award from the Society of Mineral Engineers. During his tenure, the college recognized him with the Wilson Award for Outstanding Teaching.

Mont Alto faculty had 65 combined years of service

Two faculty members from Penn State Mont Alto have retired after 65 years of combined service to the University.

Joan Hocking, associate professor emerita of English, began teaching part time at Mont Alto in 1972. The following year, she became a full-time faculty member and during her tenure has served as a professor of English, college representative for the business and education departments, acting director of academic affairs, division head of the English department and coordinator for the honors program at the campus.

In her retirement, Hocking would like to work part time as a teacher and

do more volunteer work in the community. She also plans to write a book on the history of Penn State Mont Alto for the 100th anniversary of the campus in 2003.

Robert Maurer began his tenure at Penn State in 1963. He was hired to teach mathematics, but also worked for the first two years as an instructor in physics. Over the years, Maurer has taught in seven different departments for programs in four different Penn State colleges. He also served as the campus registrar for 27 years.

Maurer plans to play more golf and visit his grandchildren.

Head health nurse retires after more than 34 years

Jane M. Galas, head health nurse, emergency, in University Health Services, retired May 1 after more than 34 years of service.

Galas began her career at Penn State working the night shift for 22 years so she could spend time with her young children. With the doctors on call, nurses on the night shift had more responsibility and needed to retain additional skills. Galas later became an evening

nurse and from there changed to day shift. She also has been in charge of the infection control center as a resource person.

Galas said the most important part of nursing is not simply giving students their medicine, but teaching students to care for themselves and to be able to recognize symptoms. Besides the patients, other nurses looked to Galas as a teacher.

Associate director began University service in 1971

Nancy Lowe retired from her position as associate director of the Department of English's Rhetoric and Composition Program.

Lowe received a bachelor's degree in English with honors from the University of Rochester in 1959 and a master's degree in English from Northwestern University in 1964. She also studied rhetoric in graduate courses in English and speech communications departments at Penn State.

She started teaching for the English department part-time in 1971 and became a full-time lecturer in 1981. She was promoted to instructor in 1983 and developed an administrative role in the Rhetoric and Composition Program, which led to her being named associate director of the program. She continued to serve in that



Nancy Lowe

position until her retirement.

Over the years she has been able to encourage and advise the University's composition teachers and their students in the many situations which arise in a very large program serving every undergraduate in the University. She has taught a range of undergraduate courses and has contributed

to the training of almost every graduate student in the department.

Lowe received the Liberal Arts Non-Tenure Line Teaching Award in 1993. In honor of her outstanding contributions, the Department of English has established the Nancy Lowe Teaching Award for a graduate teaching assistant.

Her plans for retirement include travelling and learning Italian.

Professor emeritus retires with 34 years of service

Leon F. Lyday, professor emeritus of Spanish and former head of the Department of Spanish, Italian and Portuguese, retired recently after 34 years of service. Professor Lyday received his Ph.D. from the University of North Carolina in 1966, the same year he joined the Penn State faculty.

At Penn State he served as chairman of the Latin American Studies Program from 1974 to 1977, and as head of the Department of Spanish, Italian and Portuguese from 1986-1997.

Lyday served as editorial associate for *Modern International Drama*; asso-



Leon F. Lyday

ciate editor for *Hispania*; and on the editorial boards of numerous journals in the fields of Spanish, Latin American theatre and comparative literature.

He also organized several national and international conferences and symposiums and served as president of the North American Association of Colombianists. He has co-authored or edited eight books and published many articles in professional journals. He is internationally recognized as one of the leading authorities on Latin American theatre and on modern Colombian literature.

Several retire after long careers with University

Marvin Barsky, instructor of mathematics at Penn State Abington, from Sept. 1, 1982, to June 1.

David W. Blackledge, executive assistant to the dean at The Dickinson School of Law, has retired after 17 years of service in a variety of administrative positions. He also was director of the Pennsylvania Deputy Sheriffs Qualification program, which had been held each summer at the Law School since 1985.

Jere J. Willey, director of advancement services in the Division of Development and Alumni Relations, from July 6, 1966, to April 1.

Emeritus rank

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Jon Kirtland Hall, associate professor emeritus of soil chemistry in the College of Agricultural Sciences, from Jan. 1, 1966, to June 29.

Nathan Le Roy Hartwig, professor emeritus of weed science in the College of Agricultural Sciences, from July 1, 1969, to June 30.

Wayne David Lammie, campus executive officer emeritus at Penn State Harrisburg, from Sept. 1, 1966, to June 30.

John Philip Lowe, professor emeritus of chemistry in the Eberly College of Science, from Sept. 1, 1966, to June 30.

James Robert Nuss Jr., professor emeritus of ornamental horticulture in the College of Agricultural Sciences, from July 1, 1966, to June 30.

Marvin L. Risius, professor emeritus of plant breeding in the College of Agricultural Sciences, from June 1, 1966, to June 30.

Zane Smilowitz, professor emeritus of entomology in the College of Agricultural Sciences, from Sept. 1, 1967, to June 30.



Promotions

Staff

Julie J. Acker, financial officer III in Corporate Controller's Office

Diane L. Andrews, senior associate director, residence life in Student Affairs

Marcia H. Baker, staff assistant V in Business Services

Preston E. Baker, research programmer in Computer and Information Systems — Center for Academic Computing

Debra K. Beam, staff assistant IV in Business Services

Heather M. Bean, staff assistant VII in College of Engineering

Mary C. Blymire, staff assistant IV at Penn State York

Michelle L. Bonnell, senior grants and contract accountant in Corporate Controller's Office

Rhonda L. Boone, staff assistant V in Information Sciences and Technology

Janet N. Bosco, staff assistant V in Intercollegiate Athletics

Jerry D. Bowman, director, enrollment management at Penn State Schuylkill

April M. Bowser, senior microcomputer system consultant at Penn State York

Barry J. Bram, associate director, residence life in Student Affairs

Daryl N. Branford, information systems assistant II in Computer and Information Systems — Center for Academic Computing

Loren G. Brewster, manager, network and information systems at Penn State York

Lynn L. Bubb, writer-editor in College of Medicine, The Hershey Medical Center

Steven R. Budovitch, senior support and training analyst in Computer and Information Systems — Administrative Systems

Westley B. Bumgarner, financial officer IV in Corporate Controller's Office

Cassandra J. Buncie, academic counselor in College of the Liberal Arts

Patricia L. Burns, staff assistant VI in College of Agricultural Sciences

Jason E. Bush, financial officer IV, Commonwealth Education System at Penn State New Kensington

C.C. Butts, staff assistant VII in The Smeal College of Business Administration

Cindy L. Capperella, staff assistant VI in Corporate Controller's Office

Jozane M. Cardamone, administrative assistant I in Information Sciences and Technology

Sandra L. Cartwright, staff assistant V at Penn State York

April Clemmer-Sheninger, senior microcomputer system consultant in Computer and Information Systems — Center for Academic Computing

Jo Ann T. Coleman, manager, housing and food services III at Penn State Harrisburg

Jean E. Copper, research support assistant in College of Medicine, The Hershey Medical Center

Shella L. Cori, administrative assistant III in College of Engineering

Cynthia L. Coslo, staff assistant VIII in Student Affairs

Sean P. Costella, manager, network applications services in Housing and Food Services

Edward P. Dankanich, director of business services at Penn State Harrisburg

Barbara H. Dennis, coordinator, community relations and communications at Penn State York

Beverly E. Ditzler, staff assistant V in Eberly College of Science

Shannon L. Dixon, assistant ticket manager in University Arts Services

Abigail K. Domico, associate director in Division of Outreach and Cooperative Extension

John S. Domico, assistant director, management systems in College of Engineering

Susan W. Donley, assistant director of development in Division of Development and Alumni Relations

Kathy S. Duggan, computer support specialist at Penn State Berks-Lehigh Valley

Kristin L. Englehart, research technologist in College of Agricultural Sciences

Karen S. Feldbaum, senior associate director, residence life in Student Affairs

Leslie D. Frye, manager, applications support in Business Services

Susan R. Gummo, lead applications programmer/analyst in Undergraduate Admissions

M.J. Harris, writer-editor in College of Medicine

Jeanne E. Harvey, administrative assistant II in College of Engineering

Missy L. Hazen, senior research technologist in Eberly College of Science

Melissa A. Holobinko, staff assistant VI in College of Engineering

R.N. Johnson, associate director, Center for Excellence in Learning and Teaching in Office of the Vice Provost and Dean for Undergraduate Education

Cheryl A. Jones, human resources assistant in Information Sciences and Technology

Kristie L. Kalvin, staff assistant V in College of Engineering

Richard M. Kipp, associate director, multi-media technologies in College of Agricultural Sciences

Pamela R. Knowlton, staff assistant VII in The Dickinson School of Law

Barbara A. Kottmeyer, staff assistant IV at Penn State York

Debra K. Lambert, staff assistant VI in College of Earth and Mineral Sciences

Beatrice K. Landis, assistant director of continuing education at Penn State York

Debra J. Lauder, staff assistant VI in College of Engineering

Rachel M. Lehr, library assistant II at Penn State York

Dennis R. Lott, regional director at Penn State Harrisburg

Kathleen L. Lynch, staff assistant VII at Penn State York

Betty L. McAdams, staff assistant VII at Penn State Great Valley

Scott M. McKenzie, network analyst in College of Medicine, The Hershey Medical Center

Beth A. McLaughlin, manager, extension development programs in College of Agricultural Sciences

Frank P. Miller, registrar at Penn State York

Teresa A. Miller, senior technician — research in College of Medicine, The Hershey Medical Center

Janette K. Moore, administrative assistant I in College of the Liberal Arts

Thomas J. Motel, laboratory supervisor in College of Earth and Mineral Sciences

Patricia L. Murnyack, staff assistant VI in College of Agricultural Sciences

Dawn M. Nelson, staff assistant VI in The Graduate School

Randi L. Nesheruk, staff assistant VII in Eberly College of Science

Christine M. Novinskie, beverage manager in Hospitality Services

Richard H. Pearce, director, business and finance auxiliary and business services in Housing and Food Services

Laurie P. Peiffer, research support associate in College of Medicine, The Hershey Medical Center

Jennifer J. Peikowski, research support associate at Penn State Erie

Carolyn L. Peterson, staff assistant VI at Penn State Erie

Mark R. Reynolds, hospitality services facilities manager in Hospitality Services

Anthony R. Rosselli, assistant engineering aide in Applied Research Laboratory

Donna J. Royer, staff assistant VIII in Student Affairs

Joseph P. Royer, network coordinator at Penn State York

Neil B. Russler, advanced engineering aide in Applied Research Laboratory

Cathy E. Sheaffer, staff assistant V at Penn State York

Gregory L. Schenden, assistant engineering aide in Applied Research Laboratory

Richard K. Shaffer, director of enrollment at Penn State Altoona

Jack W. Sharer, associate research engineer in Applied Research Laboratory

Sandra L. Shellenberger, staff assistant V at Penn State York

Mark C. Sherburne, assistant athletic director in Intercollegiate Athletics

Michael T. Sherlock, lead applications programmer/analyst in Business Services

Elaine Shull, staff assistant VI at Penn State Delaware County

Roseanna E. Shumkas, public information assistant at Penn State Altoona

Jack W. Sinclair, director of continuing education I at Penn State Altoona

Peggy S. Smetzer, staff assistant V in Student Affairs

Beverly A. Smith, staff assistant VI in housing and food services at Penn State Erie

Linda J. Smith, applications programmer/analyst in Business Services

Robert W. Smith, associate research engineer in Applied Research Laboratory

Scott A. Smith, staff assistant VII in Hospitality Services

Sue E. Snyder, staff assistant VII at Penn State Lehigh Valley

Robert L. Spooner, associate research engineer in Applied Research Laboratory

Peggy L. Stewart, applications programmer/analyst in Office of Student Aid, Vice Provost and Dean for Enrollment Management and Administration

Darlene J. Stiles, assistant to financial officer I at Penn State Schuylkill

Eric C. Strauch, associate research engineer in Applied Research Laboratory

Sharon J. Summerfield, information systems assistant II in Computer and Information Systems — Center for Academic Computing

Timothy C. Summers, senior research programmer in Computer and Information Systems — Center for Academic Computing

David J. Tisdale, senior microcomputer system consultant in Computer and Information Systems — Telecommunications

Robert A. Walters, lead applications programmer/analyst in Computer and Information Systems — Center for Academic Computing

Kerry L. Wareham, assistant director, business services at Penn State Delaware County

Sandra M. Watson, staff assistant V in Intercollegiate Athletics

Joel L. Weidner, associate director, information systems operations in Housing and Food Services

Judith L. Westley, staff assistant V in Student Affairs

Carolyn H. Wilson, staff assistant VI at Penn State Great Valley

Debra A. Witherite, staff assistant VI in College of Engineering

Holly R. Yingling, coordinator, community relations and communications at Penn State Mont Alto

Steven D. Young, associate research engineer at Applied Research Laboratory

Linda P. Yungwirth, extension agent in College of Agricultural Sciences

James S. Zmyslo, associate research engineer in Applied Research Laboratory

Technical Service

Charles A. Addleman, maintenance mechanic A in Housing and Food Services

Dorothy J. Boone, maintenance helper, fire extinguisher in Office of Physical Plant

James D. Jeffries, steam plant worker in Office of Physical Plant

Donna Von Gunden, group leader, phototypesetting in Business Services

James E. Wagner, maintenance worker, plumbing and piping in Office of Physical Plant

Hazel E. White, maintenance worker, utility in Office of Physical Plant



Focus on Research

Education itself does not solve major social problems

By ANDREA ELYSE MESSER
Public Information

Education is not the solution to major social problems like drug and alcohol abuse, according to a University anthropologist.

"The way people think about things is rooted in their daily experience," said E. Paul Durrenberger, professor of anthropology. "If what you teach people is in agreement with daily reality, then education appears to work."

"However, no matter what you tell people, if it is counter to daily experience, it does not have much impact and will not make a difference," Durrenberger said.

Durrenberger's research surveyed stewards in locals of the Service Employees International Union (SEIU) in Chicago. Included were locals covering nursing home workers, public sector workers, industrial workers and building service workers.

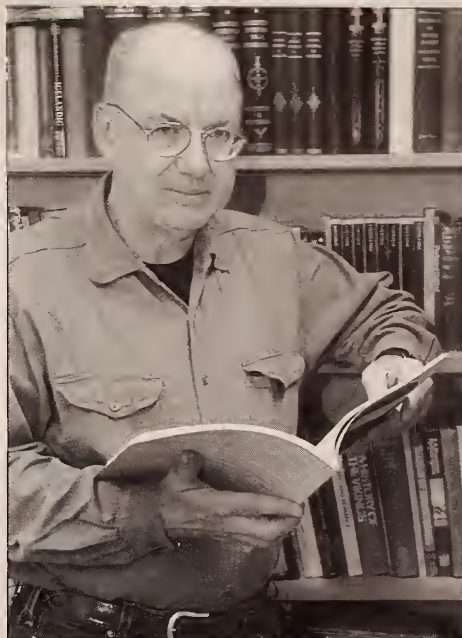
"The loss of labor-union power accelerated in 1981 when the Reagan administration began a series of policies to break the power of the unions," said Durrenberger. "Unions began acting like insurance agents for their members rather than motivators to action."

The push now is for unions to move back to organizing new work sites and becoming active in local and national politics. To do this, the already unionized shops need to do a better job at taking care of themselves and to help in organizing non-union shops. However, the shift back to the origins of unionization is not necessarily going smoothly.

To understand why, Durrenberger surveyed the stewards — local union members elected by their coworkers to represent them to management and to the union. He asked the stewards and the union representatives what were the most important factors that provided power to negotiate good contracts.

The stewards and the representatives — people hired by the local to handle as many as 20 work sites and to help negotiate contracts and settle grievances — completely agreed that the most important factor for negotiating good contracts is to have the whole industry unionized.

"The answer implies that a major goal of stewards would be to organize non-union shops so that a larger portion of the industry would be unionized," said Durrenberger. This also is the goal of SEIU. However, when he asked the stewards, they were the most important areas were settling griev-



E. Paul Durrenberger professor of anthropology, has done research indicating that education must be accompanied by social and cultural change before the desired results can be achieved.

Photo: Greg Grieco

ances and negotiating contracts. Organizing new sites was not listed as important, nor was getting favorable politicians elected.

"Why is there this difference if the stewards believe the best way is to have everyone unionized?" said Durrenberger. "Organizing should be most important."

He suggested that the stewards' daily lives are preoccupied with settling grievances. Even though the union is educating stewards that the unionization program is important and even though the stewards agree that unionizing the entire industry is of utmost importance, what they know is not informing their actions.

"This research suggests that education is not effective in changing people's minds," said Durrenberger. "In

order for there to be change, the everyday social and cultural setting must be changed, which is not a simple activity."

As an example, he suggests that problems with binge drinking will not be solved by educating students that binge drinking is bad, especially not if they then go downtown and find a myriad of bars selling inexpensive alcohol. Nor will anti-drug campaigns serve to halt illegal drug use when inexpensive drugs are available on the street.

Durrenberger admits that he does not have a solution, but what he does know is that the enormous amount of money and time spent on education against drugs and alcohol, for example, will not solve the problems without social and cultural

New way for found for diabetics to track glucose levels

For the millions of people who suffer with diabetes and must prick their fingers several times a day for a blood sample to measure their glucose levels, there may be a new and painless way to take such a measurement using ultrasound.

"This method involves no needles and is completely painless. We think this will eventually make it easier for people to monitor their glucose levels," said Dr. Robert Gabbay, assistant professor of medicine in the College of Medicine. "We know that by self-monitoring the disease, individuals can greatly reduce their chance of the disease giving them complications such as blindness or kidney failure."

In the procedure, low-frequency ultrasound, about the same amount a dentist might use to clean teeth, is used to make the skin permeable so that glucose can cross the skin and be measured.

"We took blood from one arm of the patient to just be sure our new method had the correct results. Both methods had almost the identical readings," said Gabbay.

The tests were done using an ultrasound machine that would typically be found in a research lab or hospital. A hand-held device has been developed so patients could ultimately do the test at home.

Gabbay said the next step is trying the new method with a larger clinical trial.

The American Diabetes Association (ADA) estimates there are nearly 16 million people in the United States with diabetes, which is the leading cause of blindness in people ages 20 to 70 and is the sixth-leading cause of death in the United States.

College of Medicine evaluating CD-ROM for cancer education

Over the next three years, researchers in the College of Medicine will evaluate the effectiveness of an interactive CD-ROM as a tool for educating patients about breast cancer risk and genetic testing.

The CD provides general information about breast cancer risk, heredity and genetic testing, and enables patients to access information at their own pace. Dr. Michael Green, assistant professor of humanities and internal medicine, received a three-year, \$620,000 grant for the project from the National Cancer Institute. It will take place at The Milton S. Eshesky Medical Center, The M.D. Anderson Cancer Center in Houston and the University of Pittsburgh.

To learn more, contact Maria Mascari, cancer genetic counselor at The Milton S. Eshesky Medical Center, at (717) 531-1631.



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Clearing the parking lot for Ag Progress Days



It may have been just a hay field up until about a week ago, but from Aug. 15-17, the field shown above will become the parking lot for Ag Progress Days. The event, sponsored by the College of Agricultural Sciences, is held near the University Park campus at Rock Springs, nine miles southwest of State College on Pa. Route 45.

Ag Progress Days is a chance for the University to showcase some of its recent inventions and innovations in agriculture and related industries. Other attractions planned for this year's event include a farm equipment manufacturers' "show-and-tell," a farm vehicle and equipment highway safety workshop, a "horseless" equine skillathon for youth, field demonstrations of corn and grain planters, and an outdoor Pasto Agricultural Museum exhibit of animal-powered farm tools.

At left, Harold Stoltzfus and Jeff Claycomb of Gallagher Power Fence Inc. work to set up their horse fencing system and tent, where demonstrations and some free advice will be handed out.

For more information about Ag Progress Days, check the Web at <http://apd.cas.psu.edu/>

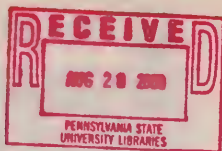
Photos: Greg Grieco



Intercom

INFORMING THE PENN STATE COMMUNITY

AUGUST 24, 2000



Fulbright Program sees record number of student grants

BY BILL CAMPBELL
Special to Intercom

A record number of 21 Penn State students have received grants under the 2000-2001 Fulbright Program.

Fulbright grants cover a fully funded academic year in the country of choice for graduating seniors and graduate students to conduct study, research or

teaching. Former U.S. Sen. William Fulbright initiated the program after World War II to promote world peace through the international exchange of scholars and students. Approximately 850 student grants are awarded nationwide.

"The number of grant recipients is above our previous high of 19," said H. Mary Gage, director of the Undergraduate

Fellowships Office. "Their achievement enhances the University's goal of increasing international experience for our students and highlights our efforts in national and international competition for major scholarships, fellowships and internships."

In addition to the Fulbright grants, Gage said Penn State students have received a Whitaker Graduate Fellow-

ship, an Astronaut Scholarship, three American Meteorology Society (AMS) Scholarships and three Udall Scholarships.

Jeffrey Saucerman, a senior majoring in engineering science, won one of the 40 Whitaker Graduate Fellowships awarded annually in biomedical engi-

Fulbright, page 2

HazWaste staff boosts efficiency with their use of handheld computers

BY BARBARA A. HALE
Public Information

Handheld computers are helping Penn State Environmental Health and Safety employees enhance field operations and automate government-mandated record keeping.

The team is believed to be the first among schools in Pennsylvania and the first in the Big Ten to adopt the use of handheld computers or personal digital assistants (PDAs) for use in this type of application.

"Field tests of the applications are showing that they can save significant amounts of personnel time, enhance record accuracy and help provide a higher level of client service," said Janet Jonson, associate research engineer at the Applied Research Laboratory (ARL), who managed the team that developed the applications and new software.

Harold L. Brungard III, environmental health and safety assistant, is a member of Penn State's hazardous waste (HazWaste) management staff and has been participating in the field tests of the new paperless system since they began a year ago. He estimates that the PDAs are saving five to 10 hours a week of data-entry time as well as improving data management accuracy. He expects the team to continue to use the devices after the field tests are over.

Brungard said the HazWaste staff responds to between 75 and 150

Classes under way for fall



Sara Eksteen, a junior in international business, left, worked with Matt Burwell, a freshman headed to Boston, at the Penn State Bookstore on the University Park campus to stock books needed for fall semester. Classes began Aug. 22.

Photo: Greg Genco

Ice cream social to precede State of the University Address

President Graham B. Spanier will take the stage at 4 p.m. Friday, Sept. 8, in Eisenhower Auditorium to present his annual State of the University Address. Before the address, attendees will be treated to Penn State Creamery ice cream, which will be served on the patio in front of Eisenhower Auditorium beginning at 3:15 p.m.

The entire University community is encouraged to

attend the address, which will provide a glimpse of Penn State's long-range plan.

This is Spanier's sixth State of the University Address since becoming president in 1995. The address will be broadcast live via local television downlink to campuses outside of University Park. Information on where to view the president's talk will be included in an upcoming *Intercom*.

Private Giving

Film/TV producer provides \$250,000 for new digital editing laboratory

Carmen Finestra, executive producer for and co-owner of the Wind Dancer Production Group, has given the Penn State College of Communications \$250,000 to renovate space and purchase new equipment to create the Carmen Finestra Digital Editing Laboratory.

A 1971 graduate of Penn State, Finestra is best known as supervising producer for five-and-a-half seasons of "The Cosby Show" and as the co-creator and executive producer of "Home Improvement." More recently, he has made the leap to the big screen, producing such films as last spring's "Where the Heart Is."

The Carmen Finestra Digital Editing Lab, previously an analog video editing suite, will be housed in



Carmen Finestra

This is not the first gift Finestra has given to the

21 Carnegie Building on the University Park campus. Each of the lab's 12 state-of-the-art workstations will feature a Macintosh G4 computer — currently the fastest Macintosh available — with software including Final Cut Pro, iMovie and Media Cleaner.

Finestra plans to tour the finished lab when he visits the campus for a dedication ceremony in late September.

University. In 1994, he established the Carmen Finestra Film Project Grant-in-aid to benefit students completing advanced films for their classes. His other gifts include the donation of several scripts to the University Libraries and a contribution to the College of Communication's AVID lab.

Finestra was named a Penn State Alumni Fellow in 1991 and Distinguished Alumnus in 1998. His gift is part of the Grand Destiny campaign, a seven-year effort to raise \$1 billion in private support to strengthen the University's mission of teaching, research and service.

The campaign involves all 24 Penn State locations and is scheduled to end June 30, 2003.

Fulbright

Continued from page 1

neering. The award provides \$18,500 for up to five years for the student, plus a cost of education allowance of \$15,000 for the chosen institution and \$1,500 for expenses such as travel, books and a computer.

David P. Lewis, a junior in engineering science and physics, has been awarded \$8,500 for his final year by the Astronaut Scholarship Foundation. The scholarship is given to outstanding students for innovation, creativity and unusual drive. Scholars also are given the chance to meet astronauts from the Mercury, Gemini, Apollo and Space Shuttle programs.

Three students were awarded \$15,000 from the AMS for their first year of graduate study in the atmospheric and related oceanic and hydrological sciences. There are only 12 of these scholarships in the nation. The recipients are Kimberly Comstock, an aerospace engineering major; Scott Giangrande, a senior meteorology major; and Jonathan Vigh, also a senior meteorology major. Aneliese Sherr, a junior in meteorology, also was awarded an AMS Undergraduate Scholarship worth \$3,000 toward her senior year.

Three students intent on working with the environment were awarded Udall Scholarships worth up to \$5,000 for their senior year. Only 70 Udall Scholarships are awarded nationwide. The Penn State winners are Anne Beausang, a junior in geography; Benjamin Chemel, a junior science major; and Suzanne Hunt, a junior in environmental resource management.

Four Fulbright awardees are graduate students and 17 recently received baccalaureate degrees from the University.

Listed below are the awardees, their majors, fields of study or teaching, and the countries where they will study or teach.

The graduate students are:

Ranger Cline, history, research into Greek antiquities in Greece.

Jennifer Page, ecology, research into root and leaf lifespans in Poland.

Josh Rayman, philosophy, research into Nietzsche's revaluation of Kantian universality in Germany.

Robert Strobl, environmental conservation, analyzing watersheds in three distinct ecoregions in Ecuador.

The recent graduates are:

Jason Andras, chemistry and biology, molecular research in Australia.

Christine Baker, history, study of Arabic language and analysis of Sufism in Jordan.

Space Grant Consortium awards 23 fellowships

The Pennsylvania Space Grant Consortium has awarded 23 NASA Space Grant Fellowships to students in the Colleges of Agricultural Sciences, Earth and Mineral Sciences, Engineering, Health and Human Development, and Science and the Intercollege Research Program.

The fellowships are awarded to outstanding students in fields of study that do, or can, promote the understanding, assessment and use of space or the NASA Strategic Enterprises: aerospace, earth science, human exploration and development of space, or space science. Fields of study in most departments are eligible.

For a complete list of recipients, check the Web at <http://www.psu.edu/spacegrant/>.

Erin Criswell, biochemistry and molecular biology, research into the dengue virus in Australia.

Any Davis, math, teaching assistant in Korea. Elizabeth Driggs, business logistics, using business logistics to help abandoned children in Romania.

Elif Ince, biochemistry and molecular biology, cancer research in Turkey.

Bonnie Kaplan, architectural engineering and French, historical restoration in Morocco.

Ryan C. Kohl, mathematics and philosophy, research to situate the foundational system of Stanislaw Lesniewski in Poland.

Deborah Kubisiak, biochemistry and molecular biology, research at the Max Planck Institute of Neurobiology in Germany.

Brent Little, music, research into Beethoven's settings of Scottish folk songs in Germany.

Timothy Marx, business administration, bi-national business grant in Mexico.

Meredith Rogers, secondary education, teaching assistant in France.

Amanda Ruch, nutrition, research into folate deficiency and depression in the elderly in Spain.

Beth Seigley, elementary education, teaching assistant in Korea.

Emily Sheesley, German, teaching assistant in Germany.

Michael Sützel, biochemistry and molecular biology, research into the common fruit fly in Germany.

Elizabeth Young, English, teaching assistant in Turkey.

Gage said the deadline for the next round of Fulbright grants is Sept. 9. She encouraged interested students to contact her office for information and applications.

Provost's Teaching and Learning Award recipients named

The Science Education Program in the College of Education and Penn State Erie's School of Business are recipients of the second annual Provost's Academic Unit Collaborative Teaching and Learning Award. Each will receive a \$15,000 grant to continue its efforts.

This award recognizes academic units — one at University Park and one at a campus college location — for demonstrating commitment to improving teaching and learning development and evaluation, and for setting a standard for all academic units to consider as they prepare their instructional planning and programming.

The Science Education Program in the College of Education aims to improve science teacher learning by designing fundamental aspects of science teacher education at Penn State. A careful assessment identified program strengths and limitations and as a result, the following initiatives were developed:

- Science content courses for education majors that incorporate physical science, applied science and engineering;

- Science methods courses for prospective teachers that include use of technology applications — including the Internet, data collection software and simulation software — to help them learn science and science teaching;

- Opportunities for prospective K-12 teachers to teach technology-enhanced science lessons; and

- Web-based portfolios for prospective teachers containing information from coursework and field experiences to demonstrate their problem-solving, decision-making and communication skills.

Many of the recent initiatives of Penn State Erie's School of Business focus on integrating teaching, research and outreach activities. Developments include:

- A first-year seminar integrating business disciplines using problem-based and collaborative learning methods;

- An interdisciplinary, team-taught business course to medical students at the Lake Erie College of Osteopathic Medicine through the Division of Continuing and Distance Education;

- A senior-level, small business-consulting course that requires students to conduct applied business research and provide outreach to area businesses; and

- An Entrepreneurship Advisory Board consisting of 19 business leaders, who are members of the college's Council of Fellows, to work with students enrolled in the entrepreneurial ventures course.

Office works to keep workplace environment safe

By VICKI FONG
Public Information

From low-tech to high-tech, today's university workplaces — ranging from a research or teaching laboratory to a counseling office to a maintenance shop — all fall under a complex mantle of state and federal regulations that guard the health and well-being of its employees and the public.

But keeping up with the wide variety of issues for a department can be daunting and intimidating. Penn State's Environmental Health and Safety Office (EHS) provides a wealth of assistance, resources and training to University administrators and employees at all locations.

"The guiding force behind our comprehensive program and policies is protecting people and the environment and complying with the myriad of state and federal regulations," said Maurine Claver, director of EHS.

To implement this process, the University-wide Safety Council with members representing academic colleges and administrative units plays a key role under the direction of the EHS office. Each unit has designated an individual as the "safety officer" who closely works with EHS.

"Prevention is our highest priority. We continually look at ways to solve problems — existing and potential — and to prevent them from happening," Claver said. "For example, laboratory researchers starting a project involving a new chemical or radioisotope often ask for help to identify its potential hazards and proper handling procedures."

Another frequent question centers on office ergonomics — the best design of an office or equipment that can be used by staff without suffering an injury.

"Many offices planning renovations or buying new furniture call us with questions in advance," she said. "The EHS staff can make site visits, review renovation plans and talk with office supply vendors about the proper size or height of equipment. With our help, many injuries can be avoided."

At the latest estimate, there are at least 20 federal or state programs mandated by regulations that are applicable to Penn State to protect the environment or the workplace. EHS, a part of the Office of Physical Plant, Finance and Business Services Division, oversees many of these programs under three distinctive areas:

- Environmental Protection — infectious and chemical waste management, accidental release of hazardous materials (response and cleanup), emergency response plan preparation, lead-based paint management and environmental assessments of property transactions;

- Occupational Health and Safety — biological safety, ergonomics, fire prevention, chemical safety, laboratory safety and accident prevention;

- Radiation Protection — the use of radioactive materials, waste disposal of radioactive materials and use of x-ray units.

Providing round-the-clock service, EHS



Harold "Lou" Brungard, left, environmental health and safety assistant, and Janet Jonson, associate research engineer, upload information gathered and edited throughout the day on their Palm Pilots into the computer database.

Photo: Greg Grieco

HazWaste

Continued from page 1

requests to collect and manage hazardous waste each month. The materials include flammable solvents, corrosives, toxic materials and other hazardous wastes. On average, the team picks up about 500 containers and more than 15,000 pounds of waste each month. Federal and state regulations require container tracking from "cradle to grave," he said.

University employees who want to dispose of waste material access a form on the Environmental Health and Safety (EHS) Web site, complete and return it electronically. The information on the form, when submitted, is loaded into a database. HazWaste staff uses the database to generate an itinerary for daily collection rounds. They also can download information from the database into their 3-Com Palm III computers and edit the information while on their routes.

Brungard, who worked with ARL

to design the electronic forms, said a display on the PDA lists pick-up location, chemical name, quantity of material, number of items, phone number of a contact at the location and hazard class. If, when a staff member arrives for a pick up, the number of containers differs from the information in the database, the team member can edit it on the spot. Names of chemicals also are validated on-site. At the end of the day, the edited information can be uploaded into the database by putting the handheld computer in its cradle.

"Previously, we spent time editing the information that was submitted to us and printing it out for pickups. Somebody also would have to put the information we collected on the route into the database by hand at the end of the day," Brungard said.

"Now, the data collection is a logical process driven by the computer which automatically assigns inventory

numbers. Customer service is more efficient and so is the use of staff time."

The EHS project development team included Maurine Claver, EHS director; Kate Lumley-Sapanski, EHS manager; and Bill Dreilblis, EHS manager, as well as Brungard, ARL staff members, besides Jonson, who participated in the development of the applications and software, include Ed Crow, associate research engineer; Bob Walter, research engineer; and Eric Grele, research assistant.

The computers are being provided by Vanguard Cellular Services, Inc. (AT&T Wireless Services). In 1997 Penn State and Vanguard entered into a multi-year technology services trial. The arrangement allows the University to gain experience with new digital wireless services and provides assistance to Vanguard in understanding capacity and deployment issues.

receives an average of 1,500 phone calls a month and about 500 e-mails for their services. Duties range from on-site inspections and cleanups, to checking any one of the 2,000 separate laboratories, investigating odors or gas leaks, or providing up to 20 training programs offered each month that attract up to 800 individuals.

In addition, EHS is responsible for Penn State's state-certified hazardous materials response team which provides service to the University and communities in Centre County. In this capacity, it must work closely with local fire and police units, and industries, in a HAZMAT emergency.

For more information on Penn State's environmental health and safety policy, check the Web at <http://guru.psu.edu/policies/SY01.html>.

For more information about Environmental Health and Safety or workplace and environmental safety, visit <http://www.ehs.psu.edu/>.



Lectures

Free records management seminars set

Anyone interested in managing records should join Jackie Esposito, assistant university archivist and Penn State's records management expert, for a free one-hour seminar on organizing records.

Esposito will explain the details of University policy AD-35, "University Archives and Records Management," and teach how to use the retention schedules (General Forms Usage Guide Appendices 18 and 21) to determine how long records should be kept. She also will give time-saving hints on

organizing and coordinating records by using color-coding, date-stamping and subject identifiers.

In addition, Esposito will introduce the services of the Inactive Records Center and the University Archives.

Fall seminars are scheduled on the University Park campus for 9 to 10 a.m. on Sept. 6, Oct. 4, Nov. 8 and Dec. 6 in the Charles W. Mann Jr. Assembly Room, 103 Paterno Library.

To register for one of the seminars, call Esposito at (814) 865-7931 or e-mail jxe2@psu.edu.

Author to speak at Penn State Berks

Author Harlan Ellison will be the kick-off speaker in a series of lectures at Penn State Berks.

Ellison will speak at 7 p.m. Wednesday, Sept. 13, in the Perkins Student Center Theatre on the Penn State Berks campus. He is author and editor of more than 70 books; 1,700 stories, essays, articles, and newspaper columns; two dozen teleplays, for which he received the Writers Guild of America most outstanding teleplay award for solo work four times; and a dozen movies.

He is a two-time winner of the Mystery Writers of America Edgar Allan

Poe Award and five-time winner of the Horror Writers Association Bram Stoker Award.

Ellison is currently working as a consultant and host for the new radio series "Beyond 2000," a series of 26 one-hour dramatized radio adaptations of famous science fiction stories for *The Hollywood Theater of the Ear*. Ellison's story, "Repent, Harlequin! Said the Ticktockman," will be included as part of this series, starring Robin Williams, with Ellison in the role of narrator.

The lecture series is free to the public. For more information, call (610) 396-6068.

Penn State Forum adds speaker to lineup

Jayne Jamison, vice president and publisher of *Redbook* magazine, has been added to the 2000-01 Penn State Forum slate of speakers.



Jayne Jamison

Jamison joins

the impressive list of speakers already scheduled for this year's Forum lunches. For that list, check page 3 of the Aug. 10 *Intercom*, or check the Web at http://www.psu.edu/ur/archives/intercom_2000/Aug10/lectures.html.

Modeled after the National Press Club and sponsored by the Penn State Bookstore, the lunchtime series of lectures is an offering of the Penn State Faculty/Staff Club and is open to the public. Lunch begins at 11:30 a.m. and the program, including the lecture and questions from the audience, begins at noon.

For more information on the Forum series or tickets, call (814) 865-7590. Tickets are \$11 general admission and \$110 for tables of 10; Faculty/Staff Club members can purchase individual tickets for \$9.

Research administration workshops planned

A series of research administration workshops will be offered during the 2000-2001 academic year.

These workshops are offered to faculty, administrative assistants, staff assistants, post-docs, graduate assistants and all researchers using the knowledge and experience of advanced research administrators.

These workshops are a service of the ACOR Education Subcommittee and the Office of Sponsored Programs.

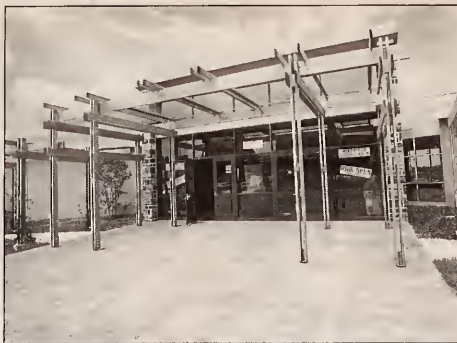
For workshop questions on content information, call Vicki Spadacio at (814) 865-0453 or e-mail vis4@psu.edu. For the complete workshop series description, schedule and workshop registration information, check the Web at <http://www.rtto.psu.edu/toolbox/2001%20workshops.pdf>

Colloquium set for Sept. 18

Ian Rivers, senior lecturer in social psychology at the College of Ripon and York, United Kingdom, will present a colloquium on "The Challenges Facing Sexual Minority Youth in the United Kingdom" from 4 to 5:30 p.m. Sept. 18 in 110 Henderson Building (Living Center).

For more information, call Cleo Campbell at (814) 865-2643.

Open for visitors



Finishing touches were still being applied recently at the Centre County Convention and Visitors Bureau by people such as Gerald Reinhart of Corter's Carpet and Wallpaper of State College, right. Reinhart was working on the "floating floor," which is a map of Centre County. The center is open from 8 a.m. to 7 p.m. seven days a week at 800 E. Park Ave. behind Beaver Stadium on the University Park campus, and features a gift shop, vending area, Penn State parking pass sales, ATM machine, pay phones and more. For more information, check <http://www.visitpennstate.org/> on the Web, call (814) 231-1400 or (800) 358-5466, or e-mail ccv@visitpennstate.org.

Photos: Greg Grieco



OBITUARIES

Leroy Ampy, maintenance worker, utility at Penn State Shenango, from Feb. 19, 1973, until his retirement Sept. 6, 1988; died June 24, at the age of 74.

Patricia A. Datris, staff assistant V at Penn State Altoona, from April 20, 1972, until her retirement June 30, 1994; died June 30, at the age of 66.

Virginia L. Elliott, program coordinator in Division of Undergraduate Studies, from March 1, 1975, until her retirement Aug. 1, 1989; died July 31. She was 73.

Mary E. Emel, janitorial worker in the Office of Physical Plant, from Nov. 1, 1960, until her retirement March 1, 1984; died July 22, at the age of 75.

Richard C. Glasgow, dining hall worker in Housing and Food Services, from Sept. 16, 1964, until his retirement April 26, 1981; died June 7. He was 84.

Howard W. Hester, research aide in Intercollege Research Programs, from Sept. 1, 1968, until his retirement Jan. 1, 1982; died July 29, at the age of 83.

Edward T. Irwin, lead carpenter in the Office of Physical Plant, from Nov. 1, 1954, until his retirement Sept. 18, 1980; died July 20. He was 81.

Mary L. Miller, janitorial worker in the Office of Physical Plant, from Jan. 4, 1977, until her retirement Jan. 5, 1987; died July 9, at the age of 76.

Henry H. Showers, janitor foreman in the Office of Physical Plant, from March 1, 1965, until his retirement April 1, 1981; died June 23. He was 84.

James E. Sowash, mechanical systems engineer in the Office of Physical Plant, from April 1, 1965, until his retirement April 1, 1986; died July 18, at the age of 75.

Penn State welcomes new deans and campus executive officers

The University begins the 2000-2001 academic year with several administrative appointments.

"We are pleased to enter the new academic year with several outstanding new deans and campus executive officers," said President Graham B. Spanier. "It is a privilege to have attracted leadership of this caliber to Penn State."

In July, the following individuals assumed their new roles as deans and campus executive officers within the University:

■ Dr. Darrell G. Kirch, senior vice president for Health Affairs, dean of the College of Medicine and chief executive officer of the Milton S. Hershey Medical Center. Kirch was senior vice president for Clinical Activities and dean of the School of Medicine of the Medical College of Georgia. He has a M.D. from the University of Colorado and completed a residency in psychiatry at the University of Colorado Health Sciences Center.



Darrell G. Kirch

■ Madlyn L. Hanes, provost and dean of the Capital College. Haynes joined Penn State in 1988 and most recently held the position of campus executive officer at Penn State Great Valley, School of Graduate Professional Studies, and associate dean of the Graduate School. She took leave during the 1999-2000 academic year to serve as senior adviser to the chancellor at the University of Georgia System. Hanes received a bachelor's degree in English education, a master's degree in speech and language pathology and a Ph.D. in curriculum and instruction from the University of Florida.



Madlyn L. Hanes

■ Raymond Thomas Coward, dean of the College of Health and Human Development. Coward was the dean of the School of Health and Human Services and professor of health management and policy, social work and family studies at the University of New Hampshire. He received his bachelor's and master's degrees from the College of New Jersey, his Ph.D. from Purdue University and a master's degree in social work from McGill University.



Raymond T. Coward

■ Richard W. Durst, dean of the College of Arts and Architecture and executive director of University Arts Services. Durst was dean of the College of Fine and Performing Arts and professor of theatre at the University of Nebraska-Lincoln. He received a bachelor's degree in theater from Missouri Western State College and a master's degree in scenery design and technical theater from the University of Oklahoma.



Richard W. Durst

■ Judy D. Olian, dean of the Mary Jean and Frank P. Smeal College of Business Administration. Olian was senior associate dean of the Robert H. Smith School of Business at the University of Maryland and professor of management and organization. She received a bachelor's degree in psychology from the Hebrew University, Jerusalem, and master of science and doctoral degrees in Industrial Relations and Human Resource Management from the University of Wisconsin, Madison.



Judy D. Olian

■ William G. Cale Jr., dean and campus executive officer at Penn State Altoona. Cale was academic vice president for executive affairs and professor of biology at Lamar University. A Penn State graduate, he received a Ph.D. in zoology with a specialization in systems ecology from the University of Georgia.



William G. Cale Jr.

■ William D. Milheim, campus executive officer and associate dean at Penn State Great Valley School of Graduate Professional Studies. Milheim, a faculty member at Penn State Great Valley since 1991, was academic division head of education and had been serving as acting CEO for the past year. A graduate of the College of Wooster, he earned his master and doctoral degrees at Kent State University.



William D. Milheim

■ Mary-Beth Krogh-Jespersen, campus executive officer at Penn State Worthington Scranton. Krogh-Jespersen was associate vice president for academic affairs at The Richard Stockton College of New Jersey. She received a bachelor's degree in chemistry from Northeastern University, master's and doctoral degrees in chemistry from New York University and a master's degree in business administration from Pace University's Executive Management program.



Mary-Beth Krogh-Jespersen

■ Ann Williams, campus executive officer at Penn State Lehigh Valley and assistant dean for academic affairs at Penn State Berks-Lehigh Valley College. Williams was vice president of economic and community development at Luzerne County Community College. She received a bachelor's degree in psychology at Wilkes University, a master's degree in psychology from Marywood University and a doctoral degree in adult education from Temple University.



Ann Williams

NEW AT PENN STATE

Penn State Lehigh Valley to offer Webmaster Certificate Program

Beginning in September, the Penn State Lehigh Valley campus will offer a 12-course Webmaster Certificate Program. The 120-hour program begins Sept. 16 and concludes on Feb. 24, 2001.

The Webmaster Certificate was designed by the University to help individuals learn the basics of Web-based communications and to succeed in the rapidly evolving Internet marketplace.

All classes will be held at Penn State Lehigh Valley.

An open house is scheduled for 7 p.m. Aug. 30 at the campus. To reserve a space or for more information, call (610) 285-5118 or check the Web at <http://www.lu.psu.edu/ce/>

Penn State Mont Alto builds new softball field

Penn State Mont Alto built a new women's softball field during the spring 2000 semester.

The new field was funded through the Commonwealth College Athletic Conference Gender Equity Fund and the Student Activity Fee on the Mont Alto campus. The Gender Equity fund is designed to provide equal access to athletic teams and facilities for both males and females.

According to Athletic Director Marty Ogle, the softball field has moved Mont Alto closer to completing its goal that all varsity athletic events take place on campus. The men's varsity baseball team is the only athletic team that still travels off campus for practice and games, according to Ogle, and building a men's baseball field is the next goal for Penn State Mont Alto athletics.

The new field was designed by Ogle, women's softball coach Jim Brown and the maintenance staff on the campus.

Penn State working with DoD to improve Web-based learning

The University is partnering with the Department of Defense to establish the Academic Advanced Distributed Learning Collaborative Laboratory, a facility which will develop and evaluate the next generation of technologies that enable distributed learning, also known as Web-based learning.

This collaboration involves Penn State and six other leading universities and colleges whose vision is to provide access to high quality education and training that can be tailored to individual needs — anywhere and anytime — at little cost.

The Academic Advanced Distributed Learning Collaborative Laboratory will:

- Develop and implement national technical standards for distributed learning;
- Share research and development information on network-based distributed learning; and
- Work to enhance quality, reduce costs and promote the development of interoperable content and distributed learning systems.

Other institutions involved are University of Wisconsin, Wisconsin Technical College, Rochester Institute of Technology, University of California-Berkeley, University of Nebraska and University of Washington.

The Department of Defense spends about \$14 billion per year on classroom education for its 3 million active-duty, reserve military and civilian employees around the world.



News in Brief

Fall schedules in effect

The students are back, fall semester classes began Tuesday, and other fall schedules have begun as well.

On the University Park campus, Pollock Road will again be a limited access road between McAllister Building to just east of Fraser Road during working hours. The closure to through traffic is designed to increase pedestrian safety near the Pattee mall.

The Union Street Eateries in the HUB-Robeson Center also have resumed fall operating hours. For restaurant operating hours, check the Web at <http://www.su.psu.edu/eateries/>.

Loop and Link buses have returned to their fall schedules as well. For the schedule, check the Web at <http://www.catabus.com/loop/loop.htm>.

Libraries announce fall hours

The University Libraries at University Park switched to their fall semester hours of operation. This schedule will continue until Dec. 7.

Pattee Library and Paterno Library will be open 7:45 a.m. to midnight Monday through Thursday; 7:45 a.m. to 9 p.m. Friday; 8 a.m. to 9 p.m. Saturday; and noon to midnight Sunday. The Eberly Library Special Collections Library, which is in Paterno Library and includes Historical Collections and Labor Archives, Penn State University Archives, and Rare Books and Manuscripts, will be open Monday through Friday, 8 a.m. to 5 p.m.

On Labor Day, Sept. 4, Pattee Library and Paterno Library will be open noon to midnight.

For more information on all hours of library service, call (814) 865-3063 or visit the Libraries' home page at <http://www.libraries.psu.edu/>.

Parking meter changes

The University has removed 40 meters from the HUB Parking Deck on the University Park campus, in order to convert the section to Faculty/Staff Brown-P parking.

The University also has installed 11 long-term parking meters in lot Orange A Curtin. These meters are for visitor use only.

For updates on parking information, check the Web at <http://www.transportation.psu.edu/>.

Book sale

The Penn State University Press will hold its annual BIG Book Sale from 9 a.m. to 6 p.m. Friday, Aug. 25, at the Press' warehouse at 820 N. University Drive.

Savings of 20 percent to 80 percent will be offered on books published by the Press.

For more information and maps to the warehouse, visit the Press Web site at <http://www.psu.edu/psupress/>.



Kelly Stewart, a lifeguard at the McCoy Natatorium outdoor pool on the University Park campus, holds up numbers to tell platform divers when it is their turn to jump. The pool will switch to fall operating hours on Sept. 11. For updated information, call the swimming hotline at (814) 865-3488 or check the Web at <http://www.psu.edu/dept/nat/Hours.htm>.

Photo: Greg Gnecco

Campus blood drives

The American Red Cross, Centre Communities Chapter, begins its fall schedule of blood drives at the University Park campus this month. These drives will help the Red Cross build blood inventories that have been depleted by increased summer blood needs and may be taxed during the upcoming Labor Day holiday weekend.

To confirm donor eligibility, call American Red Cross Regional Blood Services at (800) 54-BLOOD, ext. 2797. The entire blood donation process takes about an hour, including a health check and something to eat.

To schedule an appointment, call Connie Schroeder, American Red Cross, at (814) 237-2713, or e-mail ccblood@vionet.net. Drives followed by an asterisk (*) require an appointment.

■ Aug. 30: Penn State Conference Center Hotel, 10 a.m. to 4 p.m.

■ Sept. 5: Waring Commons, 1 to 7 p.m.

■ Sept. 6: Warnock Commons, 1 to 7 p.m.

■ Sept. 7: Fisher Hall (East Halls), 1 to 7 p.m.

■ Sept. 7: Pollock Commons, 1 to 7 p.m.

■ Sept. 7: Nittany Deck, east exit, 9 a.m. to 3 p.m.*

■ Sept. 8: Simmons Hall, 1 to 7 p.m.

■ Sept. 12: HUB-Robeson Alumni Hall, 10 a.m. to 4 p.m.

■ Sept. 13: HUB-Robeson Alumni Hall, 10 a.m. to 4 p.m.

■ Sept. 14: HUB-Robeson Alumni Hall, 10 a.m. to 4 p.m.

■ Sept. 19: Rider Buildings, 9 a.m. to 3 p.m.*

■ Sept. 20: Wagner Building, 10 a.m. to 4 p.m.

■ Sept. 27: Materials Research Lab, 9 a.m. to 3 p.m.*

Bell Atlantic directory changes

The Bell Atlantic-Bellfonte/State College (2001-2002) directory will be going to print in the near future. All departments currently listed in the directory should review listings for accuracy and consideration.

The listings in the Bell Atlantic directory have no relationship to those in the Penn State Faculty/Staff directory. When deciding to list in the Bell Atlantic Directory, departments should take into account whether or not the listings will be of interest to the public.

All changes, additions or deletions must be received by the Office of Telecommunications by Sept. 12. A change form is available on the Office of Telecommunications' Web site at http://www.etc.psu.edu/services/staff/callcenter/directory_change.html. For more information, including pricing information, call (814) 865-6881.

Open house at Lehigh Valley

Prospective students and their families may attend open house programs this fall at Penn State Lehigh Valley from 10 a.m. to noon Saturday, Oct. 7; and from 10 a.m. to noon Saturday, Nov. 18.

The programs will provide information about Penn State Lehigh Valley to local high school juniors and seniors considering admission to Penn State at Lehigh Valley and to those already offered admission to the campus. For reservations, call (610) 285-5000.

Fulbright application deadline

The University Office of International Programs reminds faculty and staff that the deadline for applying for spring/summer 2001 seminars in Germany, Korea and Japan for international education and academic administrators as well as for the summer German studies seminar is Nov. 1.

For more information on these programs, call John M. Keller at (814) 865-3336, e-mail jmk13@psu.edu, fax (814) 865-3336 or check the Web at <http://www.international.psu.edu/fulbright/fulschol.html>. The site has links to the Council for International Exchange of Scholars, which administers the Fulbright Scholar program.

News in Brief

Continued from page 6

Intercom schedule

With this issue, Intercom returns to its weekly schedule of publication.

All copy is due to Intercom by noon on the deadline day unless otherwise indicated. Copy should be sent via e-mail to AMount@psu.edu.

For the schedule, check the Web at <http://www.psu.edu/INTERCOM/deadlines.html>.

Get fit

Faculty/staff exercise classes are under way in White Building, the Intramural Building and Rec Hall on the University Park campus. All faculty, staff, spouses and retirees with a PSU ID+ are eligible to purchase a recreational fitness pass to participate.

For more information, check the Web at <http://www.clubs.psu.edu/fitnessprograms/>.

"Take Note"

Take Note, a Penn State produced, 15-minute public affairs interview show, features local and national experts and personalities. Topics range from health, education and current events to consumer and community affairs. The show airs weekdays at 6:45 a.m. and at 5:45 p.m. on WPSU-TV, Channel 3. On Sunday mornings at 7:30, Take Note can be heard on WPSU-FM. Hosted by Patty Satalia, the program also features guest host Steve Jones. For information on future guests, visit the Web at <http://www.wpsu.psu.edu/takenote/>.

Volunteers sought

The food lab in the College of Health and Human Development on the University Park campus is seeking normal weight women, ages 18-45, who are not pregnant or lactating, to participate in a study.

Participants will be asked to eat breakfast, lunch and dinner in the lab in Henderson Building one day a week for four weeks. All meals will be provided and participants will be paid. The



When it's time for lunch, diners on the University Park campus have a different option. The Backstage Cafe inside The Bryce Jordan Center is now open to the public between 11 a.m. and 2 p.m.

Photo: Greg Giesco

principal investigator for the study is B.J. Rolls.

For more information, call Tanja at (814) 863-8482 between 9 a.m. and 4 p.m. Monday through Friday.

New look

The Penn State Alumni Association launched its new Web site featuring 12 new sections, a search engine, the new online Penn State alumni directory and an interactive map that allows users to find an alumni chapter anywhere in the United States. The site is at <http://www.alumni.psu.edu/>.

At the root of the redesign was the need for a more user-friendly site that visitors can access for information on the Alumni Association and other Penn State news. Driving the redesign was research conducted on the Alumni Association Web site indicating the way users navigate through the site.

In addition to the online directory of Penn State's 475,000 living alumni (accessible to members only), a multimedia version of The Football Letter,

photo scrapbooks, links to a Web Cam displaying live glimpses around campus and electronic postcards are featured on the site.

Web site survey

The Administrative Information Systems (AIS) Web team is preparing to redesign and enhance the AIS Web site. The site is an online resource for the University's administrative computing users, and contains links to IBIS, Data Warehouse, user forms and more.

An online survey has been created and is now available to gather feedback on user experiences with the site. Comments and suggestions of all survey participants will have significant impact on the development of a more resourceful, user-centered site.

The survey can be found by going to the AIS home page at <http://www.oas.psu.edu/> and clicking on the "site survey" icon. Responses are confidential. Questions regarding the survey should be e-mailed to AIS-webmaster@email.oas.psu.edu.

Study area relocates

The University Libraries' "Stay and Study" space for adult learners has relocated to 117 Pattee Library, west.

Now equipped with LIAS terminals and private study carrels, this special area gives adult students a quiet place to study with others facing similar challenges. It also has a request box where users can drop notes requesting one-on-one help.

For more information, contact Lesley Moyo at (814) 863-2898 or Imm26@psu.edu, or Gwen Lougy at (814) 863-3832 or gx1@psu.edu.

New designations for stacks

Library users should note that the Pattee Library stack levels now have different designations. The designations are listed in LIAS on the Web at <http://www.lias.psu.edu/>.

The stack levels house arts and humanities collections, which are part of the George and Sherry Middlemans Arts and Humanities Library on the second and third floors of Pattee Library.

Volunteer coach needed

Penn State Lady Icers Club Hockey is receiving resumes from those having ice hockey experience and an interest in coaching this season. Review of resumes will begin Sept. 1. For information about this volunteer position, e-mail Billie Willis at bsw2@psu.edu, fax (814) 863-3461 or call (814) 238-8430.

For the Record

The Summer Research Opportunities Program, a program that provides research and professional development experiences to undergraduate students of color from around the country, was profiled in a story on page 7 of the July 27 *Intercom*. In that article, the College of Communications should have been included as one of the colleges that has provided substantial support and participation in the program.

Commission for Women sets fall meeting schedule

Dates for the Commission for Women's monthly meetings during the 2000-2001 academic year have been set.

The Commission for Women, an advisory group to the University president, begins its 19th year of addressing concerns of women faculty, staff and students at all Penn State locations.

Its membership represents every employment category, as well as graduate and undergraduate students.

General meetings are open to the public. Dates follow:

- Sept. 20, 3-5 p.m., 117 Earth and Engineering Sciences Building;
- Oct. 18, 3-5 p.m., location TBA;
- Nov. 15, 3-5 p.m., 117 Earth and Engineering Sciences Building;
- Dec. 8, 3-5 p.m., 117 Earth and Engineering Sciences Building;

- Jan. 24, 3-5 p.m., 117 Earth and Engineering Sciences Building;
- Feb. 21, 3-5 p.m., 117 Earth and Engineering Sciences Building;
- March 19, 4-5 p.m., 117 Earth and Engineering Sciences Building (spring banquet);
- April 18, 3-5 p.m., 117 Earth and Engineering Sciences Building;
- May 9, 3-5 p.m., location TBA; and
- June 13, 3-5 p.m., 117 Earth and Engineering Sciences Building.

In existence since 1981, the Commission for Women provides a forum for exchanging ideas that can translate into University-wide improvements that support women and enhance the working and learning environment.

For more information, check the Web at <http://www.women.psu.edu/cfw/>.

Welcome back!

Summer is over, fall semester has begun. Keep on top of the latest University news through the **Employee Newswire**.

It's easy.

Just go to the Web at

<http://312c.oud.psu.edu/Subscribe/>

to sign up for your **FREE**

Employee Newswire,

an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



Arts & Entertainment

African-American Heritage Arts Festival

The Seventh Annual Blair County African-American Heritage Arts Festival will bring a unique mix of African-American music, dance, blues, gospel and storytelling to the heart of the Allegheny mountains later this month.

This year's festival, "Unity in the Community," will be held 7 to 9 p.m. Friday, Aug. 25, in the Community Arts Center at Penn State Altoona and from 11 a.m. to 8 p.m. Saturday, Aug. 26, throughout the grounds of the campus.

Friday's events will include a pre-festival kickoff of local performing acts. On Saturday, the nationally-known group "Gullah Conneckshtun" from the South Carolina Sea Island will perform, combining storytelling, music and cultural dance. Other artists performing Saturday include the hip-hop rap group "X-L" from Philadelphia; the gospel men's choir "Gospel Lights" from Pittsburgh; the high-energy "Southside Steppers" from York; rhythm and blues group "Code: Blue" from State College; and the gospel mass choir "Christian Lighthouse" from Aliquippa.

The African-American Heritage Arts Festival is free to the public. For more information, call festival chair William Lightner at (814) 942-2194 or Heritage Project chair Harriett Gaston at (814) 949-5281.

Center for Arts and Crafts

The Center for Arts and Crafts on the University Park campus is now taking registrations for fall adult art classes.

Classes begin the week of Aug. 28 and include wheel thrown pottery, stained glass, slide and pinhole photography, yoga, drawing, cartooning and illustration, fiction writing, poetry, movies and their sequels, travel writing, Pakua and Spanish dance.

Over the summer, the center moved into new quarters at 11 Grange Building on the University Park campus. The Ceramics Studio is in B008 HUB-Robeson Center.

The center has a number of activities planned for the fall:

- Aug. 24: Fall open house, 7-9 p.m.
- Week of Aug. 28: Center for Arts and Crafts classes begin.
- Dec. 6-8: Holiday arts and crafts sale.

In addition, the center offers Late Night Penn State Creative Crafts every Friday and Saturday evenings.

For more information, check the Web at <http://www.sas.psu.edu/crafts-center/>. To register for classes, call (814) 863-0611 or go to 11 Grange Building.



A work by nationally known sculptor Peter Calaboyias is placed together outside the entrance to Paterno Library on the University Park campus. The piece, "Stacks," stands more than 9 feet tall.

Sculptor installs work at Paterno Library

Nationally known sculptor Peter Calaboyias was recently on the University Park campus to install a monumental sculpture, "Stacks," at the entrance to the new Paterno Library. The sculpture, funded by private donations, visually represents the function of a library as a repository of methods and systems for communications.

Secured on a stainless steel base within a concrete foundation, it consists of four cast bronze plates, each measuring 9.5 feet high. The forms, inspired by ancient carved stone steles, are arranged to create an inner space that invite the visitor to enter and view the images, which are created out of 25 scripts, including the basis of Cheeky, Greek, Thai, Armenian and others, and 10 symbols including Braille and Helioglyphs. Calaboyias points out that of the more than 4,000 spoken languages and dialects in the world there are only several dozen scripts. The patterns do not address languages, but only the characters and symbols developed to communicate in the written word.

Bronze casting of patterns, as in this piece, is an ancient technique,

using sand to contain the mold. The patterns are first developed in masonite and wood, and the images are transferred to sand molds. Added in a continuous pour, more than 200 pounds of molten bronze per mold reproduce the patterns. After the bronze is cleaned and smoothed, a molten green/blue/sepia patina is applied.

Calaboyias' large-scale sculptures are cast at Matthews International Foundry in Pittsburgh, and at Art Technology Research Foundry in Lancaster.

Calaboyias, born in Greece, arrived in America in 1946. He received a B.A. in art education from Penn State in 1962 and an M.Ed. from Indiana University of Pennsylvania.

Calaboyias perhaps is best known for "Tribute," his Centennial Park sculpture, installed at the site of the tragic pipe bombing at the Atlanta, Ga. 1996 Olympic Games. A massive 30-foot long, fan-shaped bronze, the sculpture, which actually protected people from the explosion, survived the bombing, but bears scars that according to Calaboyias, "give the piece history."



BRYCE JORDAN CENTER

Matchbox twenty to play

Matchbox twenty, with special guest The Jayhawks, will be on stage at 7:30 p.m. Sunday, Sept. 24, at the Bryce Jordan Center on the University Park campus. Tickets go on sale at 6 p.m. today and are \$28.50 for reserved seating and general floor admission. There will be a limited number of general floor admission and reserved seating tickets for Penn State students at \$19.50 with a maximum purchase of two tickets per student ID at the Bryce Jordan Ticket office and commonwealth campus ticket outlets.

Matchbox twenty recently hit No. 1 on the Billboard "Hot 100" chart with "Bent," the first single from their acclaimed second album, "mad season by matchbox twenty."

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555 or online at <http://www.bjc.psu.edu/>.

UNIVERSITY PARK CALENDAR

August 25 - September 3

SEMINARS

Friday, August 25

Diana Cox Foster on "Insects Versus Insect Pathogens and Parasitoids: New Insights into the Biochemistry and Regulation of the Insect Cellular Immune System," 11-15 a.m., 201 Borland Laboratory.

Tuesday, August 29

Jeffrey M. Peters on "Regulation of Lipid Homeostasis by Peroxisome Proliferator-Activated Receptors," 4 p.m., S-209 Henderson Laboratory.

Wednesday, August 30

Boo Johansson on "The OCTO Twin Study in Sweden: An Update," noon to 1 p.m., 108 Wartik Laboratory.

Friday, September 1

Pablo Laguna on "The Role of Numerics in General Relativity," 11 a.m., 318 Osmond Laboratory.

Ahryna Redman on "Induced Offense in Two Solenaceous Plants: Costs, Benefits and Ecological Consequences," 11:15 a.m., 201 Borland Laboratory.

EXHIBITS

Engineering Unit C

Works from Spring 2000 Architecture 432 class, through Aug. 31.

HUB-Robeson Center

"Diverse Unity in Art," through Sept. 15.
 "Out of the Box: Myths and Reality" by Oori Grace Lemeh, through Aug. 30.
 "Ellie Groninger Woodward: Metal Art," through October.
 "Visual Serendipity: Paintings by Jaime Ursic," through Aug. 30.

Palmer Museum of Art

"Abe Ajay: Constructions and Collages," Special Exhibitions Gallery I and American Works on Paper Gallery, through Sept. 11.
 sva2000 Faculty Exhibition, Special Exhibitions Gallery II, through Sept. 17.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cas.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Huge crane lifts scoreboard into place at Beaver Stadium



A new 130-ton, 160-by-40 foot scoreboard which boasts video replay capability was lifted into place on Tuesday, Aug. 8, by an equally impressive 1,000-ton crane — one of only two cranes of this size operating in the country.

Meanwhile, other renovations have been going on at the stadium as part of a major renovation and expansion of Beaver Stadium.

The expansion will bring the

stadium's seating capacity to approximately 103,500. The renovation project is expected to be completed before the 2001 football season.

Intercom photographer Greg Grieco followed the progress of the scoreboard lift, and sampling of his photos appears on these pages.

For more photos and video of the scoreboard lift, check the Web at <http://www.psu.edu/wr/stories/StadiumExpansion/>.



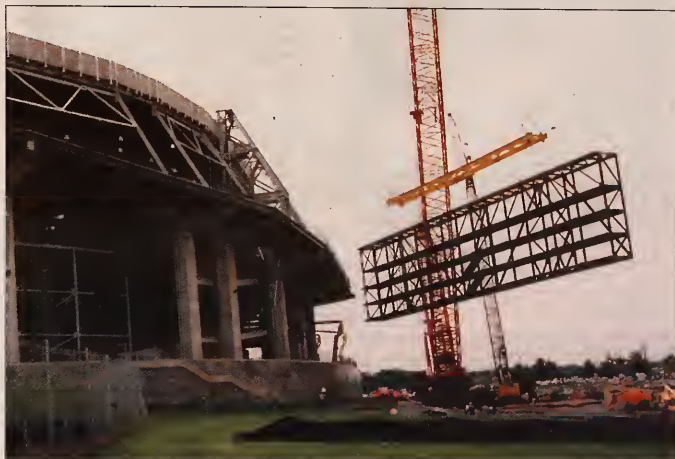
Curious onlookers, including Ronald T. Coder Sr., gathered across the road from Beaver Stadium to watch the scoreboard being lifted into place.

Photos by Greg Grieco

It's a long way down from here, at the top of one of the support towers for the new 130-ton, 160-by-40 foot scoreboard. Visible on the ground is the red, 1,000-ton crane being assembled to lift the scoreboard into place.



Workers are dwarfed by the hook of the 1,000-ton Manitowoc 21000 crane used to lift the scoreboard. This is one of only two cranes of this size currently operating in the country.



After a two-day delay, the scoreboard frame was lifted to the top of the north stands of Beaver Stadium on Aug. 8. Stadium project workers have now turned their attention to the installation of the high-tech "innards" of the scoreboard, which boasts video replay capability.



Once it was lowered into place, the scoreboard had to be secured. Dwarfed by the 130-ton, 160-by-40 foot structure, workers can be spotted beside the left support pole, bolting the new scoreboard into place. Within 15 minutes of the lift, eight ironworkers secured one-quarter of the 96 bolts needed. The rest of the bolts quickly followed. The board is expected to be operational for the Nittany Lions' football home opener with Toledo on Saturday, Sept. 2.



On the ground, workers hold a steadying rope to help keep the rising scoreboard on target as it is raised to the top of the stadium.

Colleges, units, plan variety of events to raise funds for United Way

Sept. 6 marks the official Campaign Kickoff for this year's Penn State United Way Campaign. Chair for this year's campaign is John Romano, vice provost and dean for enrollment management. Vice chair is David Wormley, dean of the College of Engineering.

Several fund-raising activities are planned this fall, including a tailgate, food sales, sporting events and more. A partial listing of events follows:

August

- College of Agricultural Sciences: Ag Progress Days Apparel Sale. The college has designed an "official" Ag Progress Days T-shirt and will be splitting the proceeds with United Way. The college also has a gray polo shirt or a white baseball cap with the Ag Progress Days/Penn State logo in blue. To place an order, e-mail Rachel Unger at runger@psu.edu or call (814) 865-3136.

September

- College of Education: Hoagie sale. Sept. 8. Representatives will be taking orders for hoagies from Marianne's for delivery that day for lunch.
- Outreach and Cooperative Extension: Bake sale, Sept. 8, Keller Building lobby. The sale is open to the public from 9 a.m. to 3 p.m.



- Computer and Information Systems: United Way Golf Tournament, Sept. 18, State College Elks Country Club. There are two shotgun starts at 8 a.m. and 1 p.m. A picnic will be provided following the afternoon portion of the tournament. Prizes will be awarded to teams and participants. Additional prizes will be awarded for the longest drive, straightest drive, and closest to the pin. Skill competitions include special events and prizes for women only.

- Development and Alumni Relations: Tailgate Picnic and Basket Prizes, Sept. 27, The Nittany Lion Inn. Tickets are \$5 and are available from members of the Development and Alumni Relations United Way Committee. A highlight of the event is the opportunity to "bid" on 18-20 handmade baskets each with a varying theme from "Penn State

Sports" to "Culinary Treats" to "A Day of Pampering." Contact Catherine Hales McClain at cah3@psu.edu or call (814) 863-6135 for tickets.

October

- Health and Human Development, Athletics, Schreyer Honors College and Undergraduate Education: Walk-a-Roll, 10 a.m. to noon Oct. 14. Participants may walk, jog, bike, rollerblade, use a wheelchair, push a baby buggy — almost anything on foot or wheels.

- Undergraduate Education: Bowl for the Goal and Silent Auction, 1 to 4 p.m. Oct. 15. The Bowl-a-Thon and silent auction at Northland Bowl in State College is open to the public.

- College of Education: College-wide hoagie sale, Oct. 20.

- Outreach and Cooperative Extension: United Way Halloween Party, Oct. 31. This is a ghoulishly fun fund-raiser. If participants come in a costume they pay a set fee to enter, but if they come without a costume, they must pay an even scarier amount, which goes into the witch's pot for the United Way.

November

- College of Education: United Way Culmination Lunch, Nov. 10, Eisenhower Chapel Frizzell Room. A potluck

lunch is planned for everyone in the College of Education for the United Way, at which college participants in the Day of Caring will be announced. The event will include a silent auction.

- College of Health and Human Development and Penn State Food Services: Dinner at Café Laura, 6:30 p.m. Nov. 11.

- College of Agricultural Sciences: Annual United Way Silent Auction and Tailgate for the College of Agricultural Sciences alumni, Nov. 18. To donate any items for this auction, e-mail Rachel Unger at runger@psu.edu or call (814) 865-3136.

Other events also are in the works, although specific dates are not yet set. One of those events is a book sale by the Applied Research Laboratory. Donations of any type of books, videos, tapes, albums, etc. are welcome. Books not sold by the end of the day will be donated to the AAUW for its annual book sale. To donate, e-mail Tammy Miller at tae103@psu.edu or call (814) 863-5380.

For updated fund-raising event information, check the Web at <http://www.psu.edu/ur/events/unitedway/events.html>. The Penn State United Way Campaign home page can be found at <http://www.psu.edu/ur/events/unitedway/>

University celebrates 20 years of honors excellence

By AMY NEIL
Public Information

This month, Penn State will celebrate two decades of excellence in honors education and the completion of the Schreyer Honors College's new facility.

The administrative offices of the honors college, once scattered throughout Willard Building, have been relocated to Atherton Hall on the University Park campus. Renovated and expanded, Atherton Hall will create the University's first living-learning environment, and offer several study areas, classrooms, office space, gallery and common areas. The dedication of the new addition will be Sept. 10, with an open house and self-guided tour scheduled from 1 to 3 p.m.

Cheryl Achterberg, dean of the Schreyer Honors College, said the new facilities will help the honors college realize its vision of having an integrated living-learning environment and make a strong statement about the value of the University's undergraduate students.

"The new space will also help the honors college staff provide better programming and more efficient services to students in a convenient and comfortable environment," said Achterberg.

She said the purpose of the new addition is to "create an intellectual and social space as well as a physical

This past year, 20 new courses were added to the honors program, 200 Schreyer Ambassador Travel Grants were awarded for study, research or service abroad and student research stipends were piloted.

space where thinking, passion and committed activity are integrated on an everyday basis."

The University Scholars Program was established in 1980 and has been recognized as one of the top honors programs in the country. In 1997, William A. and Joan Schreyer presented the University with a \$30 million gift to create the Schreyer Honors College, which is home to 1,750 students. The gift is the largest personal gift in the University's history.

Achterberg said many initiatives are scheduled for the 2000-2001 academic year. Among these is a new program making Schreyer Scholars eligible for early admission to Dickinson School of Law of Penn State. Students will be able to count the fourth year of study for a bachelor's degree as the first year of study at the law school.

The honors college also will use the Internet to improve student services. More of the college's forms, such as the application, will be available on the

Web this year. Also, a Web magazine, featuring profiles of Schreyer Scholars and their accomplishments, will debut this fall.

The Schreyer Honors College is working with CAC and the University Libraries to create a Web site for students to get help conducting research.

"It will assist students at various stages of their research in creating timelines and shepherding them through the finish of their honors theses," said Achterberg.

The pilot version of the Web site should be ready by late fall.

In addition, plans are under way to form the first-ever Alumni Society for the 4,500 Scholar alumni who have graduated from Penn State. A service award, yet to be named, will be introduced this year to recognize volunteer efforts of Schreyer Scholars.

This past year, 20 new courses were added to the honors program, 200 Schreyer Ambassador Travel Grants were awarded for study, research or service abroad and student research stipends were piloted.

The honors college also was host for its first national conference in June with 120 attendees from 34 institutions. The conference was designed to initiate dialog about honors education among key leaders and change agents in research universities. The next conference will be held March 30-April 1, 2001, and will focus on undergraduate research.

BOOK SHELF

Stephen J. Cimbala, distinguished professor of political science at Penn State Delaware County, is author of a new book.

Nuclear Strategy in the 21st Century, published by Praeger.

In his book, Cimbala contends that nuclear weapons and the psychology of nuclear deterrence will remain important after 2000, but the character of that importance will change. No longer will nuclear weapons dominate military technology but will be supplanted by advanced technology conventional weapons based on information and electronics.

Sarah Hall Guelnder, director of the School of Nursing in the College of Health and Human Development,

Helen Smiclas-Wright, professor of nutrition in the College of Health and Human Development, and **M. Susan Burke**, clinical assistant professor of medicine at Thomas Jefferson University and director of the Lankester Hospital Medical Clinic, have co-edited a new book.

Preventing and Managing Osteoporosis, published by Springer Publishing Co.

The book, written by a team of authors from medicine, nursing, nutrition, exercise physiology and physical therapy, raises awareness and informs health professionals about osteoporosis, which is an often-preventable and treatable disease.



Courses

Aquatics

The University offers several aquatics programs on the University Park campus. For information on any of the programs, call Jon Larson at (814) 863-3945 e-mail jbl7@psu.edu.

■ Age Group Competitive Swimming — Penn State Aquatics

This program is designed for local children ages 7 and up who are interested in competitive swimming. There are five different training groups based on age and ability. The program starts Thursday, Sept. 7. Basic swimming skills are required.

■ Age Group Diving

For all ages interested in learning basic springboard diving or improving more advanced skills. The program begins on Sept. 5 and runs Tuesday and Thursday evenings at 6:30 p.m.

■ Masters Swimming

This course is for college students and adults who enjoy swimming as a fitness regimen. Workouts are offered Monday and Wednesday evenings at 6:30 p.m. The pass for the semester is \$35. Newcomers may come to two workouts on a trial basis.

■ Aquacise

The Aquacise program will begin Aug. 28. Semester passes are \$25 and are available at the Natatorium towel desk. The schedule is:

Monday, Wednesday and Friday from 9 to 10 a.m. at the Penn State;

Tuesday and Thursday from 10 to 11 a.m. at the Natatorium;

Monday through Thursday from noon to 1 p.m. at the Natatorium;

Monday, Wednesday and Thursday from 5:30 to 6:30 p.m. at the Natatorium; and Saturday from 9 to 10 a.m. at The Penn State.

■ Private Swimming/Diving Lessons

The University offers private swimming and diving lessons year-round. Lessons are \$15 for 30 minutes and can be scheduled throughout the day or evening.

Health Matters

To register for the following program offerings on the University Park campus, call the Health Matters staff at (814) 865-3085.

■ Pakua — WEL 218 (new program)

This program is designed to help increase flexibility and strengthen neck, arms and ankles. Meets noon to 1 p.m. Mondays, Aug. 28 to Oct. 16, in the Eisenhower Chapel Frizzell Room. Cost: \$25.

■ Balancing Work and Family — WEL 103 (Part of the Enlightening Lunch series)

Meets 11:30 a.m. to 12:30 p.m. Tuesday, Aug. 29, in 110 Henderson Building (The Living Center). Cost: Free.

■ Body Alignment Techniques — WEL 125

This program is ideal for adults who want to begin an exercise program with caution; people who want to improve their body image and movement; and individuals with low back pain and weak abdominal muscles. Meets 11 a.m. to noon Wednesdays and Fridays, Aug. 30 to Oct. 13, in 110 Henderson (The Living Center). Cost: \$35.

■ Tai Chi — WEL 121 (intermediate and advanced)

Tai Chi is an ancient Chinese discipline that consists of performing a series of controlled movements called "forms." Meets from 1 to 1 p.m.

Thursdays, Aug. 31 to Oct. 12, in the Eisenhower Chapel Frizzell Room. Cost: \$25.

■ Yoga — WEL 095 (HealthAmerica HMO reimbursable)

All sections of this ongoing series are held on Tuesdays. Cost: \$25.

Section 1 (beginner): Meets 11 a.m. to noon Aug. 29 to Oct. 10 in the Eisenhower Chapel Frizzell Room.

Section 2 (intermediate): Meets noon to 1 p.m. Aug. 29 to Oct. 10 in the Eisenhower Chapel Frizzell Room.

Section 3 (advanced/Iyengar style): Meets 1 to 2 p.m. Aug. 29 to Oct. 10 in the Eisenhower Chapel Frizzell Room.

■ Qigong — WEL 190

Qigong, a traditional energetic practice originating in ancient China, features simultaneous body-mind tune-up training and is suitable for everyone. Meets noon to 1 p.m. Wednesdays, Aug. 30 to Oct. 11, in 212 Eisenhower Chapel. Cost: \$25.

Office of Telecommunications

The Office of Telecommunications is offering a series of workshops to help telephone, voicemail and videoconferencing users improve communication skills. These workshops are designed to provide hands-on training of the features available on the telephone, review voicemail capabilities and acquaint participants with the PictureTertM videoconferencing equipment.

All workshops are held in 120 University Support Building 2, University Park, and are restricted to Penn State faculty and staff.

To register or learn more about these free telecommunications workshops, go to the Center for Academic Computing's Training Services Web page at <http://cac.psu.edu/training/>. A Center for Academic Computing access account is required to register.

Center for Academic Computing

During fall semester, the Center for Academic Computing (CAC) will offer 232 seminars on introductory through advanced computing topics to faculty, staff and students. At these seminars, faculty members can explore a variety of ways to use technology in the classroom and novice users can find answers to their most basic questions. In addition, technology professionals can expand their knowledge of advanced topics such as High Performance Fortran (HPF) for parallel computing, UNIX utilities, JAVA programming and Virtual Reality Modeling Language (VRML).

Seminars held during the week are specifically designed to emphasize in-depth summaries of techniques. The majority of these hands-on seminars are no more than three hours in length and are offered at no charge. Registration is required.

Weekend seminars are opportunities for faculty, staff and students to learn basic topics in an informal classroom setting. Weekend open houses allow for one-on-one assistance with Netscape, Eudora, Word, Excel, PowerPoint or Web pages. Registration is not required for weekend seminars or open houses.

In addition, University computer users can take advantage of the 600 Web-based tutorials provided for academic and professional development. The Web tutorials can be accessed at <http://web.cac.psu.edu/>.

For hands-on seminar dates, times, descriptions, and registration information, check the Web at <http://cac.psu.edu/training/>.

They're blue



Jay Skorupski, a senior in Industrial Engineering, takes a moment to try out the newly recovered billiard tables at the Corner Pocket Billiard Room on the ground floor of the HUB-Robson Center on the University Park campus. Instead of the usual green, these tables sport Penn State blue felt surfaces.

Photo: Greg Grieco

New Web design guide now online

Penn State Web designers looking for the University's official guidelines and policies on designing Web pages now have a place to find them — on the Web, naturally.

The Web-based guide also includes digitized graphics that can be used on University Web pages and helpful resources for Web design.

Steve MacCarthy, executive director of University Relations at Penn State, said the guide is intended for Penn State faculty, staff and students, for use in developing Web pages for departments, colleges and other official University units.

"We have put a lot of effort into getting input into the Web design guide from across the University — from Webmasters to administrators to publications experts — and we're confident this guide will be a great resource for University Web page designers," MacCarthy said.

The guide is a joint effort of the Office of University Relations and the Center for Academic Computing. Among the issues covered by the guide: content of Web pages, copyright laws, University policies and electronic surveys. It also includes a list of guides and resources and a search engine.

Also, Penn State has created a listserv called "WebTalk," for Webmasters, Web designers and site administrators and others who work on Penn State Web sites. To sign up for WebTalk — an open, unmoderated list — send an email to "listserv@lists.psu.edu." In the body of the message, type "subscribe webtalk.yourfullname."

Penn State's new Web page design guide can be found at <http://www.psu.edu/ur/webstyleguide>. Questions and suggestions may be directed to Doug Stanfield, information technology coordinator, for University Relations, at dws9@psu.edu.

International Office helps internationalize University's missions

By JOHN M. KELLER

Office of International Programs

Most of us recognize that higher education must internationalize teaching, research and service to compete effectively in the 21st century. But how does a university go about integrating global perspectives and international experiences into its core mission?

The University Office of International Programs (UOIP) offers an interesting model of a centralized office that provides leadership and academic enhancement to help the University globalize more efficiently. The five units within UOIP work closely to support President Graham B. Spanier's strategic goal to prepare students for the future by exposing them to a variety of cultures and international perspectives.

Headed by Dean Beverly Lindsay, UOIP serves as a catalyst to encourage Penn State to enhance its commitment to internationalization. Lindsay chaired a committee that authored a May 2000 publication of the National Association of State Colleges and Land Grant Universities (NASULGC), *Expanding the International Scope of Universities*, which lays out a framework encouraging public universities to invest more human and financial resources in internationalization.

The UOIP's five units play interactive parts in ensuring that internationalization becomes part of the University fabric.

INTERNATIONAL EDUCATIONAL PROGRAMS AND STUDIES

Nearly 950 undergraduates participated in overseas study directly under auspices of International Educational Programs and Studies (IEPS) last year. This record number represents an increase of 8 percent over the previous year. In fact, Penn State has experienced an increase of nearly 10 percent for each of the past several years. IEPS fosters this growth by offering a diverse range of options in 40 countries.

The IEPS has worked hard to make its programs diverse. Nearly a tenth of undergraduates in IEPS programs come from minority groups. The program also has promoted geographic diversity; last year a record

13 percent of IEPS participants studied in sites outside Western Europe.

By conservative estimate, approximately 12 percent of Penn State's baccalaureate graduates have had a significant international educational experience, a percentage that IEPS wants to increase in order to keep up with other top-ranked American universities.

INTERNATIONAL STUDENTS AND SCHOLARS

The UOIP's International Students and Scholars (ISS) unit also has handled record numbers in recent years. In each of the last six years, Penn State set new records for international student enrollment. The population has grown by about 50 percent in the past eight years, which significantly exceeds the national average growth during the same period. The groups the unit targeted in 1992 for improvement have demonstrated the largest growth during that time: externally sponsored students increased by 25 percent, despite a national decrease; the number of international undergraduates grew by 150 percent; international students at campuses other than University Park increased by 216 percent; and student diversity grew, with the number of countries sending students to the University rising from 105 to 132.

Despite these figures, Penn State continues to have the lowest proportionate international undergraduate enrollment in the Committee on Institutional Cooperation (CIC). Overall international enrollment is larger than only four other CIC institutions — Northwestern, Chicago, Iowa and Indiana. For many years, ISS has suggested and supported a recruiting campaign designed to attract international undergraduates.

The ISS provides a variety of services for 3,090 international students at all campuses in the University system, working closely with admissions, Graduate School housing, the Bursar and student affairs. The ISS also cooperates with the International Hospitality Council, the International Student Council and its 25 affiliate nationality organizations to help international students adjust and to enhance their experience. Employees in ISS train faculty and staff on issues ranging from intercultural communications to visa questions.

INTERNATIONAL PARTNERSHIPS AND LINKAGES AND THE INSTITUTE FOR INTERNATIONAL EDUCATION AND POLICY RESEARCH

International Partnerships and Linkages (IPAL) and IEPR (Institute for International Education and Policy Research) work together to help the administration and faculty develop productive international linkages. The two units enhance and support faculty, departments and colleges by plugging the University into international scholarly and research networks.

The IPAL has successfully put together inter-college and inter-disciplinary consortia to apply for international funding, including a research consortium including Penn State, the University of Pittsburgh and Lincoln University. The IPAL also received a European Union Fulbright grant in cooperation with the University's Children, Youth and Family Consortium, which will help IPAL tap into the European Union's research programs.

PUBLIC AFFAIRS, FULBRIGHT AND OUTREACH

Penn State regularly ranks among the top three universities in the nation in numbers of outgoing senior Fulbright scholars. The Council for the International Exchange of Scholars (CIES), which administers the senior scholar program, recognizes Penn State's prominence and featured Penn State's Fulbright unit on the cover of its 2000 campus manual. The Public Affairs, Fulbright and Outreach (PAFO) unit maintains a comprehensive Web site for faculty; provides an advising and editing service; organizes annual University-wide application workshops; and puts together cultural enhancement projects. Encouraged by PAFO, several campuses have submitted successful proposals for Fulbright Scholars in Residence.

One goal of the Fulbright unit is to encourage more incoming Fulbright senior scholars. The PAFO also serves as UOIP's public affairs and outreach liaison with the University. The UOIP's major public affairs initiative is the twice-yearly publication, *International Mosaic*.

Easy does it



Kevin Schultz, left, and Rob Stultz, employees of Scott's Landscaping in Boalsburg, lay the stone walkway in the Peace Garden. The garden, being installed on the lawn between the north end of Henderson Building and nearby McAllister Building, just to the west of the HUB-Robeson Center on the University Park campus, is a gift of the Class of 1997. For a list of past class gifts, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/seniorgiftlist.asp>

Photo: Greg Grieco



Appointments

Communications welcomes distinguished visiting professor

Bruce D. Itule, director of student media and clinical professor in the Walter Cronkite School of Journalism and Telecommunication at Arizona State University, will join the College of Communications this fall as a Distinguished Visiting Professor of Journalism.

Itule will teach reporting and news writing and will team-teach a class on in-depth reporting with Communications Dean Douglas A. Anderson.

Itule earned a bachelor's degree in journalism at the University of Arizona and a master's degree in journalism and history at the University of Colorado.

He went on to spend more than



Bruce D. Itule

three decades working in journalism, launching his professional career as a photo lab technician at the *Arizona Daily Star* in Tucson.

He later worked as a reporter or editor at the Boulder (Colo.) *Daily Camera*, *The Denver Post*, *The Phoenix Gazette*, and *The Minneapolis Star* from 1980 to 1985, he worked at the *Chicago Tribune*, where his last position was night city editor.

Itule is co-author with Anderson of several books on journalism and has written articles for several professional journals and popular magazines. He is currently writing fiction.

Agricultural Sciences names international programs head

Deanna Behring will join the College of Agricultural Sciences as director of international programs, effective Sept. 1.

From 1994-1999, Behring served as assistant director for international affairs in the White House Office of Science and Technology Policy. She oversaw policy development for cooperation with key countries, including China and Russia; coordinated international science and technology policy and budget requests across 22 government agencies; and negotiated international agreements. Before 1994, Behring served as senior economic analyst for international trade and finance in the Central Intelligence Agency, where, from 1992-1993, she

was deputy chief of the DCI Balkans Task Force Economic Group.

Behring will oversee the college's international programs in research, teaching and extension and will help develop, plan, coordinate and manage international programs in conjunction with faculty, staff and administrators.

Behring received bachelor's degrees in economics, French and public policy from Albion College and a master's degree in international economic development from The Ohio State University. She has a certificate in French from Alliance Francaise and a certificate in Chinese language from Feng Chia University.

Eberly College selects new head of Department of Biology

Douglas R. Caverer has been named head of the Department of Biology within the Eberly College of Science, effective at the start of the fall semester.

Caverer comes to Penn State with four areas of focus in mind: Educational programs and curriculum; faculty development; graduate and postgraduate education; and research. He plans to work toward continued improvements in all four areas of the department.

For the past 17 years, Caverer has worked at Vanderbilt University in Nashville, Tenn.

Caverer has taught a variety of courses, from introductory genetics to graduate courses in molecular biology. His research has focused on understanding mechanisms underlying gene regulation and the evolutionary forces that help to shape them.

He has had more than 50 articles published in professional journals. In addition, he has been an invited speaker at numerous seminars and symposia.



Douglas R. Caverer

while also mentoring 16 doctoral students and three postdoctoral fellows since 1985. One of those former postdoctoral fellows, Diana Cox-Foster, is now an associate professor of entomology at Penn State.

Caverer earned his bachelor's degree at Pasadena College in Los Angeles, Calif., in 1973. He earned his master's degree in genetics at Brown University in 1977 and his doctorate in genetics at the University of Georgia in 1980.

Before becoming a professor at Vanderbilt, he was a research assistant at the University of Southern California from 1973 to 1974; a research assistant at Harvard University from 1974 to 1975; a teaching assistant at Brown University from 1975 to 1977; a research assistant and National Institutes of Health Trainee at the University of Georgia from 1977 to 1980; and a postdoctoral associate and NIH postdoctoral fellow at Cornell University from 1980 to 1982.

Center for the Performing Arts welcomes director

Susan Stockton has been selected as the new director of the Center for the Performing Arts. For the past five years, Stockton has been the director of the Center for the Arts at Middlebury College in Vermont.

Stockton received her B.A. in theatre from the University of Rhode Island and an M.F.A. from the director training program at Ohio University. Previously, she has worked at Saint Anselm College in New Hampshire, Simmons College in Massachusetts and

Wright State University in Ohio, advancing cultural events programs, increasing student attendance of existing arts programs and developing marketing and promotional strategies. Most recently, while at Middlebury College, she used a new publicity campaign to gain a significant increase in attendance for artistic events.

Stockton is a member of the International Society of Performing Arts and serves on the society's education committee.

AWARDS

Penn State Abington honors faculty and staff for their achievements

Members of the Penn State Abington faculty and staff were recently honored for their academic and community service achievements.

■ Each spring, the senior class presents the Lion Heart Award to a faculty or staff member who embodies the spirit of Penn State Abington. This year's recipient, Ben Erwin, instructor of computer science, was recognized for his initiative in helping to get the student body involved in campus life. Besides leading a campaign to raise funds for a Nittany Lion statue, Erwin served as adviser to the graduating class. He is frequently praised for his ability to reach out to students.

■ Raymond Vasey, Instructional Media Services, won the Penn State Abington Unsung Hero Award. This annual award recognizes a member of the campus staff who demonstrates supportiveness, is a team player, enhances the environment of the department in which he or she works, is attentive to details and demonstrates a dependable, knowledgeable and positive attitude. This award is selected by the Penn State Abington Staff Advisory Committee from campus-wide nominations.

■ The Penn State Abington Staff Educator Award recognizes a member of the campus who, in the course of his or her normal duties, consciously and creatively serves the role of an educator to clients and colleague by teaching, through example, how to create an atmosphere of learning, responsibility, respect and good relationship. This year's award went to Kenneth Munro, group leader, landscaping. This award is selected by the Penn State Abington Staff Advisory Committee from campus-wide nominations.

■ Jose A. Rodriguez, minority affairs counselor, received the Chief Ogontz award from the Student Government Association. This honor is given to a faculty or staff member who best demonstrates dedication, inspiration, active participation and outstanding contributions to student life. Chief Ogontz was the legendary Native American for whom the Ogontz School was named. Rodriguez was applauded for creating student programs that are both interesting and involving, and for his critical role in implementing such tolerance-oriented activities as the diversity lecture series, Latino Expo, Gay Pride Week and Soul Food Day.

■ The Penn State Abington Faculty Senate's Faculty Awards Committee presented the Outstanding Teaching Award to Howard Medoff, associate professor of engineering. Medoff, who came to Penn State in 1990, was recognized for the enthusiasm he brings to the classroom, making his students excited about learning.

■ Leah Devlin, associate professor of biology, earned this year's Faculty Scholar Award. This honor goes to a tenured faculty member who has had significant scholarly or creative accomplishments in the past three years. Devlin was recognized as a fearless researcher in the field of invertebrate muscle physiology. The recipients of this annual award are selected by the Penn State Abington Faculty Senate's Faculty Awards Committee.

■ Joyce John, instructor of biology, received a special recognition award from the Penn State Abington Faculty Senate's Faculty Award Committee. She was applauded for the commitment she brings to multi-cultural activities on campus and her untiring involvement with campus programs such as Abington College Undergraduate Research Activities and Math Options.



Penn Staters

Gabriela Appet, senior lecturer in German and applied linguistics, taught a two-week seminar on second language reading at the Australian Linguistics and Applied Linguistics Institute held at the University of Melbourne. Starting this winter, she also will be the new associate editor of *News & Notes*, of *The Modern Language Journal*.

Jean-Marc Bollag, professor of soil biochemistry and director of the Environmental Research Institute's Center for Bioremediation and Detoxification, recently visited several institutions in Japan on an award sponsored by the Japanese Society for the Progress of Science. While in Japan, Bollag presented three lectures: "Use of enzymes and plant tissues in bioremediation" at Kobe University; "Interactions between pesticides and humic materials as a technique for bioremediation" at Nagoya University; and "Oxidative coupling reactions leading to bound residues" at the National Institute for Resources and Environment in Tsukuba. Bollag also presented the lecture "Characterization of enzymatic or abiotic immobilization of xenobiotics in soil" at the Third International Symposium on the Interactions of Soil Minerals with Organic Components and Microorganisms held in Naples, Italy; and he presented "The role of phenoloxides in the transformation of pesticides in soil" at the University of Bologna, Italy.

Nirmal K. Bose, HRB-Systems professor of electrical engineering, presented the opening plenary address at the Second International Workshop on Multidimensional Systems at Czochka Castle, Poland. He also was the opening speaker at an invited special session on multidimensional systems at the International Symposium on the Mathematical Theory of Networks and Systems at Perpignan, France, and presented seminars at Delft Technical University, Vrije University and the University of Groningen, all in the Netherlands.

Tina Hay, editor of *The Penn State* magazine, was co-presenter with **Bob Blivise**, editor of *Duke Magazine*, of a session on "Alumni Magazines: Are They Pulling Their Weight?" at the Council for Advancement and Support of Education International Assembly in Toronto. The talk focused on statistical evidence of the effectiveness of alumni magazines.

Ke Chung Kim, professor of entomology, presented a talk on "Preserving Biodiversity for Human Security" at the Biodiversity, Peace Parks/Transnational

Boundaries and Conflict Resolution Symposium, Division 9, of the American Psychological Association Convention in Washington, D.C.

Akhlesh Lakhtakia, professor of engineering science and mechanics, was program chair of the three-conference suite "Nanostructural Materials and Nanotechnologies" at the 45th annual meeting of the International Society for Optical Engineering in San Diego, Calif. In addition, Lakhtakia and **Russell Messier**, professor of engineering science and mechanics, co-chaired the International Society of Optical Engineering's conference, "Complex Mediums I," in San Diego, Calif. Lakhtakia presented two papers co-authored with students **Joseph A. Sherwin** and **Joseph B. Geddes III**, and was co-author of a paper presented by graduate student **Vijayakumar C. Venugopal**. Messier co-authored a paper with graduate student **Robert Krepper**.

James H. Miller, associate professor of business logistics and director of the Mid-Atlantic Universities Transportation Center at the Pennsylvania Transportation Institute, has been elected president of the Council of University Transportation Centers. The council was established in 1979 by the major transportation research centers and institutes in the United States to promote continued dialogue among its member institutions; it provides a forum for the centers to interact collectively with government and industry. The center's goal is to strengthen the role of transportation research and education, both within and outside the university environment.

Philip Mosley, associate professor of English, communications and comparative literature at Penn State Worthington Scranton, was a visiting professor of English at the University of Toulouse-Le Mirail, France, during spring semester.

Charles S. Prebish, professor of religious studies, presented two papers, "From Monastic Ethics to Modern Society in Global Buddhism" and "Two Buddhisms, Three Sources in North American Buddhism," at the sixth international conference of the Society for Buddhist-Christian Studies, held at Pacific Lutheran University in Tacoma, Wash.

Penn State Abington was recently named Non-Profit of the Year by the Eastern Montgomery County Chamber of Commerce. The award was presented to **Karen Wiley Sandler**, dean and CEO, for the many con-

tributions Penn State Abington makes to the region's economic and educational growth.

Among the contributions that Penn State Abington was cited for was the leadership role in launching the Business Resources Incubator Center (BRIC), a small-business incubator being developed by a three-way partnership among Abington Township, Penn State Abington and the Eastern Montgomery County Chamber of Commerce.

Rainer Silberstein, adjunct professor of human development in the Department of Human Development and Family Studies, is the new president-elect of the International Society for the Study of Behavioral Development, a society with members in more than 50 countries who specialize in research on human development across the life-span. Silberstein also is professor of developmental psychology and head of the Department of Developmental Psychology at the University of Jena in Germany. He also was recently elected member of the executive committee of the International Union of Psychological Science, the international umbrella organization of all national psychological associations, including the American Psychological Association.

Larry D. Spence, senior associate of the Schreyer Institute for Innovation in Learning and associate professor of political science, gave one of five featured presentations during a weeklong exploration of the theme "Education: New Goals for the Knowledge Era" at the Chautauqua Institution, Chautauqua, N.Y. His presentation was titled "The Case Against Teaching." The Chautauqua Institution is a 125-year-old, summer-long program with more than 2,000 events. Each week has a theme addressed by five featured speakers.

Robert C. Voigt, professor of industrial and manufacturing engineering, has been elected a fellow of the Society of Manufacturing Engineers. The organization is the world's leading professional society serving the manufacturing sector. Fellows are chosen for their years of service to the society and the manufacturing community.

The Penn Stater magazine recently received commendation for one of its designs. The opening spread of the November/December 1999 feature, "Looking for Lost Time," was chosen to appear in the 2000 Design Show of the University and College Designers Association.

25-YEAR AWARDS



Michael M. Coleman



Bonnie J. McGovern



Roberta J. Valeski



Dona Oberheim

Observing 25 years of service at the University are, from left, Michael M. Coleman, professor of polymer science in the College of Earth and Mineral Sciences; Bonnie J. McGovern, staff assistant VI, and Roberta J. Valeski, administrative assistant III, both in the Animal Resource Program, Office of the Vice President for Research; and Dona Oberheim, manager of transcripts and verifications, in Office of the University Registrar. Also celebrating 25 years of service but not pictured is Vickie Price, staff assistant IX in the University Faculty Senate.



Focus on Research

Image processing methods developed for computer vision-based fuel gauge

By BARBARA A. HALE
Public Information

Taking a "look" at how much fuel is left in the tank could become literally possible now that computer engineers have developed image processing methods necessary for a computer vision-based fuel gauge.

The developers say a computer vision-based gauge would be much safer than current gauges, which rely on a sensor with low voltage electrical leads that come in contact with the fuel. Electrical contact fuel measuring systems are often suspected of having contributed to explosions in aircraft disasters.

The image processing methods were developed by Srivatsan Chakravarthy, who earned his master's degree this summer, Rangachar Kasturi, professor of computer science and engineering, and Rajeev Sharma, assistant professor of computer science and engineering. The work was part of Chakravarthy's master's thesis.

In the method the team developed, nothing need be in the fuel tank except the fuel, Kasturi said. Two transparent glass portholes in the top of the fuel tank allow all the access needed to determine the depth of the liquid inside. One port enables a light source to flash the image of two crossed lines on the surface of the liquid while the other port allows an off-the-shelf video camera attached to a computer to record the position of the lines.

The computer's image processing software, developed by the researchers, is trained in a calibration process in which the tank is filled gradually and the position of the crossed lines, as recorded by the camera, are noted at the various depths. The correspondence between the depths in the actual 3-D scene and the 2-D image recorded by the camera is established in a process called digital mapping. The computer can then calculate the change in depth of the liquid in the tank when any one of the units, or pixels, in the camera's image of the crossed lines changes. The researchers note that the mathematical problems involved in determining depth in a three-dimensional space from a two-dimensional camera image forms a part of almost all computer vision applications. A similar problem has to be solved



Rangachar Kasturi, professor of computer science and engineering, and Rajeev Sharma, assistant professor of computer science and engineering, examine a computer vision-based fuel gauge. They developed the processing methods for this tank along with Srivatsan Chakravarthy, who earned his master's degree this summer.

Photo: Greg Grieco

whether one is equipping a robot with a 2-D camera "eye" to navigate in the real 3-D world or determining the depth of a liquid from its 2-D image.

The researchers used two standard mathematical approaches to solving the problem for the fuel tank and found that one, triangulation, yielded simple, direct solutions that came at low computational cost. Although their computations were performed with a stationary system,

they think their approach can be adapted to systems undergoing vibration, turbulence or other displacement.

The researchers conclude that computer vision offers an attractive alternative to the currently available options. They note that their experimental results are available now for studying the feasibility of implementing an actual system which could be incorporated in aircraft, automobiles or other applications.

Researchers to investigate use of leisure time to prevent substance abuse

Several faculty members will conduct research on healthy ways adolescents can use leisure time to prevent substance abuse, thanks to a three-year, \$420,000 grant from the National Institutes of Health.

The primary investigator on the project is Linda L. Caldwell, associate professor of recreation and park management in the School of Hotel, Restaurant and Recreation Management in the College of Health and Human Development. The project starts Sept. 30.

The purpose of the project is to conduct and evaluate a substance abuse prevention program based on learning appropriate and healthy ways to use leisure time through a leisure education program. The leisure education program will be given at three different middle schools in rural Pennsylvania.

This research is an extension of a research project already under way at Penn State that uses life skills training programs in middle schools to prevent substance abuse.

The other co-investigators at Penn State are Edward Smith, director of research and evaluation in the Prevention Research Center for the Promotion of Human Development; John Swisher, professor of education; and Judith Vicary, professor of biobehavioral health.

Left-handedness not dangerous, just different

Penn State Erie's Clare Porac has some good news. She said the reported dangers of being left-handed, such as shorter life expectancy and greater accident risk than right-handers, are greatly exaggerated.

Porac, professor of psychology and director of the School of Humanities and Social Sciences, recently studied close to 200 left-handed and right-handed adults between the ages of 65 and 100 years. She found no difference between the groups on a number of measures of physical and psychological well-being in relation to the side of their handedness and no difference in the report of accidental injury.

However, her research does reveal that older adult left-handers are different. Porac found that approximately 7 percent of adults over age 65 are left-handed, compared to an approximate 13 percent of adults below the age of 30. She said one reason for the decline in the number of left-handed older adults is that a number of behaviors gradually switch over to the right side as left-handers adjust to a world arranged for the right-handed majority.

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International visitors at Shaver's Creek



Baseball, hot dogs and apple pie are a quintessential part of the American experience — but so is ecology — and 13 members of Japan's national Little League team learned about the environment during an international explorer camp at Shaver's Creek Environmental Center. The team was at Shaver's Creek before heading to the Little League World Series in Williamsport, which began Aug. 18.

The team joined 17 area children for a variety of activities between Aug. 12 and 17. The team participated in team-building and adventure activities; played a baseball game with the State College Little League team; and enjoyed a picnic and other activities with the State College children.

For information about upcoming programs, call Shaver's Creek at (814) 863-2000, or check the Web at <http://www.cde.psu.edu/ShaversCreek/>.

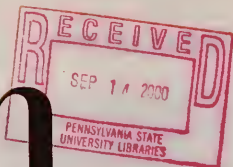


Photos by
Steve Manuel

Intercom

INFORMING THE PENN STATE COMMUNITY

AUGUST 31, 2000



Plan to attend State of the University Address on Sept. 8

President Graham B. Spanier will highlight the accomplishments of the past year and provide a glimpse of Penn State's long-range plan in his annual State of the University address, set for Friday, Sept. 8. The address will begin at 4 p.m. in Eisenhower Auditorium on the University Park campus.

Spanier invited everyone in the University community — faculty, staff, students and alumni — to attend the speech.

Before the address, attendees will be treated to Penn State Creamery ice cream, which will be served on the patio in front of Eisenhower Auditorium beginning at 3:15 p.m.

For those unable to attend, the address will be broadcast live via satellite to all campus locations outside of University Park. Information on where to view the address live will be available from public information officers at each campus.

Dissertations to have worldwide visibility

By HEATHER HERZOG
*Computer and Information Systems**

This fall Penn State doctoral students will be able to prepare and submit their dissertations in digital format via the Web — making the documents accessible to researchers around the world.

Beginning in September, the University will launch an initiative known as electronic Theses and Dissertations (eTD) that will enable graduate students to convert their dissertations into Web-based documents and submit them electronically. Using special software, students will have the option to add sound, video and image links to the dissertations, before uploading them to the Web.

Faculty members, researchers and potential employers will be able to view the dissertations from any location, by searching the University's eTD archives at <http://www.eta.libraries.psu.edu/>.

According to Tom Peters, director for library initiatives at the Committee on Institutional Cooperation (CIC), Penn State is one of the first among the 12 CIC institutions to develop a university-wide eTD option — though others are planning to do this soon.

"Penn State and Ohio State are launching full-scale eTD initiatives this fall," Peters said, "and Michigan State and Iowa will offer the option by early next year."

A committee made up of representatives from the Graduate School, University Libraries, Library Computing Services (LCS), Center for Academic Computing (CAC), University Press and Graduate Student Association worked together over the last two years to make the option available this fall. The committee selected doctoral students to participate in a pilot study that began in the spring of 1999 and continued through this summer.



Bonnie MacEwan, assistant dean for collections, University Libraries, works with Alan Bilansky, Ph.D. candidate, on converting his dissertation to a Web-based document for the eTD program.

Photo: Greg Grisco

As part of this pilot, the University installed an eTD server, created a Web site and offered training and information sessions to students and faculty

advisers. With the official launch of the initiative, doctoral students University

Dissertations, page 2

Upgrade will boost speed of campus Internet connections

The University has contracted Adelphia Business Solutions to provide higher capacity communication circuits to serve Penn State campuses.

The change will help the University to meet the increasing demand for telecommunications service from its campuses. Students from these areas will be able search Web resources

more quickly for papers and reports, and faculty members will be able to use the network to more rapidly transmit large volumes of data, including video and three-dimensional images, to colleagues throughout the world.

The project, which will provide 45 Mbps service to each of the University's 24 locations, will yield an approximately 10-fold increase in the effective bandwidth available at each campus, compared to that presently available, with only a modest increase in cost. The first set of circuits to serve campuses at Hershey and Harrisburg already are installed. Additional circuits serving Penn State Erie and Penn State Berks will be installed during the upcoming weeks.

According to Gary Augustson, vice provost for information technology, the need for higher bandwidth at these locations has expanded dramatically, due to the increase in student, faculty and staff Internet use.

"The upgrade addresses needs that have evolved with the electronic transformation of our community," Augustson said. "It will make it possible for students to download large files more quickly — and it will enable the University to have higher quality and significantly more cost-effective video-conferencing capabilities."

While evolution of the Penn State network has been ongoing, change of

Upgrade, page 2

Dissertations

Continued from page 1

wide will be invited to submit an electronic dissertation, although the option of submitting paper copies will continue to be available.

"Many students say they see the World Wide Web as the future," said Thomas Minsker, a research assistant at the Center for Academic Computing who has been helping students learn to use the software. "We wanted to give them all the tools they would need to truly excel with this medium."

Working with digital capabilities such as hyperlinks, video clips, three-dimensional images and a whole spectrum of colors "enlivens the creation process for doctoral students, and makes reading more interesting for faculty members," he said.

More than 100 students volunteered to participate in the eTD pilot study, many reporting that their experiences have been positive and are leading to some unique opportunities.

"I see doing this as an effective way to communicate with colleagues and potential employers. Instead of shipping off my dissertation to them in the mail, I can just provide a Web address," said Alan Bilansky, who expects to receive his Ph.D. in rhetoric and democracy this fall.

"Penn State is preparing its students for a future where success, in most likely all disciplines, will be incumbent upon knowing how to use multiple digital resources to communicate research and prepare publications," said Bonnie MacEwan, assistant dean for collections at the University Libraries.

She's quick to point out, however, that in addition to meeting student needs, the University also will use the project to help advance its digital library technology interests, since the eTD database will provide a significant body of material that can be used to examine preservation and accessibility issues, and search strategies.

Toward this end, the new database soon will be linked to the University Libraries' online suite of digital services, LIAS on the Web, in addition to Penn State's eTD Web site. The database also will be joined to the electronic archives catalogued by the Networked Digital Library of Theses and Dissertations (NDLTD), an international federation of universities and institutions founded by Virginia Tech that is leading the eTD movement.

Today's eTD initiatives are revolutionizing access to graduate work, according to the federation, whose membership has more than quadrupled since 1997. A statistical report at the organization's Web site observes that one particular Virginia Tech dissertation was accessed more than 75,000 times in 1998 alone (<http://scholar.lib.vt.edu/theses/>).

"Being comfortable with electronic publication will be an asset for any student. These individuals will be leaving the University with a skill greatly valued by employers and scholars alike."

Lynne Goodstein

The report further states that many other digital dissertations have received thousands of "hits" per year and numerous countries from around the world regularly access the NDLTD archives.

Some challenges remain, however. The eTD files are primarily created in a Web convertible format known as PDF (Portable Document Format). The format makes it possible to quickly transfer files to UMI Dissertation Services, a Web-based service of Bell & Howell Information and Learning that currently serves as the national archive and distribution point for dissertations.

UMI has recently requested that all of its university clients use the PDF format. Yet, some students and faculty members have expressed concerns about what will happen to the eTD files as technology changes. In addition, copyright has become an increasingly important issue, since certain publishers won't reprint information that has appeared on the Web.

"Penn State, UMI Dissertation Services and other participating institutions are making a strong commitment to keeping the dissertations accessible as technology undergoes change," said Lynne Goodstein, who served as associate dean of the Graduate School while the project was taking shape. "We also have made it possible for students to set up specific restriction levels to address copyright issues."

The University currently offers three levels of restriction (open access, Penn State accessible and total restricted access) that can be changed according to the student's publishing needs.

Resolving these issues will help facilitate expansion efforts already in the works for the initiative, since immediate goals include giving students the option to turn in electronic masters and honors theses.

"Being comfortable with electronic publication will be an asset for any student," said Goodstein. "These individuals will be leaving the University with a skill greatly valued by employers and scholars alike."

For more information, visit the eTD Web site at <http://www.edt.psu.edu/> or e-mail gradthesis@psu.edu.

Construction continues



Construction has been going on for much of the summer at the main entrance to Willard Building on the University Park campus. The Office of Physical Plant has been cutting away a section of underground wall to make a utility access for lines coming into the building.

Photo: Greg Grieco

Upgrade

Continued from page 1

this magnitude was only recently financially feasible.

The change was enabled by increased competition in the telecommunications marketplace, nurtured by the efforts of Penn State. Increased competition for telecommunication services has been encouraged by Penn State for years and was strongly endorsed earlier this year when the Commonwealth of Pennsylvania award-

ed a bid for statewide service to a competitive local exchange service provider.

Although the upgrade will use the same general network design that has proven to be cost-effective in the past, all four of the campuses above will now be directly connected to University Park. Upgrades to other campuses will be accomplished during the 2000-2001 academic year.

Newspaper Readership Program expands scope

Penn State students may become among the best informed young people about current affairs through the expansion of its popular Newspaper Readership Program this week.

As they return to campus to start the fall semester, students will take part in what is the largest newspaper readership program at any university in the nation — with more than 70,000 students eligible to take part.

Penn State is expanding its successful Newspaper Readership Program so that students living both on and off-campus at 20 of its locations around the state can start their day with copies of *The New York Times*, *USA Today* and a daily newspaper from the local community. At the University Park campus, students also continue to receive free copies of *The Daily Collegian* every morning.

The Newspaper Readership Program Committee, chaired by Bill Asbury, vice president for student affairs, will monitor the program to gain a better understanding of student use, the effectiveness of the newspaper dispensing machines, the card access process and the popularity of the locations for the machines.

"After three years of providing this service to residence hall students and this past spring's experiment with a limited number of off-campus students it is clear to us that our students want access to daily newspapers and that it is having an impact on the learning process," Asbury said. "Our surveys of students, discussion with faculty and experience with the program tell us daily newspaper readership is having a positive impact on the educational experience at Penn State."

Asbury and his committee have used the results of a series of student surveys and the information gained during the semester to determine if Penn State should implement a program for all off-campus students. In addition, a few other campuses had already begun to experiment with newspaper readership programs for their students who live off campus.

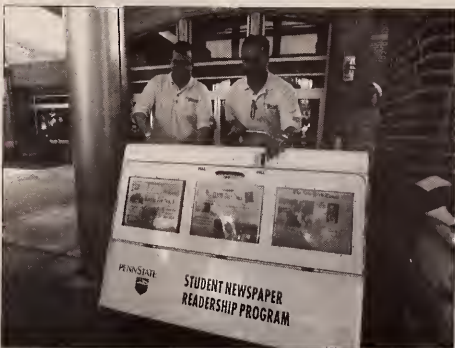
"Our newspaper partners in this program have provided major speakers for campus events, supported faculty research and they have earmarked funds for student scholarships since we began this effort three years ago," Asbury said. "I think it is the spirit of cooperation between the University staff and the newspapers that have helped to make the program successful and that has paved the way for this major expansion of the effort."

"Reading a newspaper every day can have a positive impact on the lives of young people," said President Graham B. Spanier, who first proposed this program. "Our research indicates that students who had easy access to newspapers during the past few years are better informed and are more likely to speak up in the classroom during discussion of current events."



President Graham B. Spanier, left, talks with undergraduate student Kim Denovellis about the Newspaper Readership Program. Spanier was outside the HUB-Robeson Center on the University Park campus on Aug. 25, handing out free newspapers to promote the program, which expanded to serve more than 70,000 students at 20 University locations.

Photo: Greg Gileco



Workers move a new newspaper distribution box into place in front of the HUB-Robeson Center on the University Park campus. The box was moved to that temporary location during a program to promote the expanded Newspaper Readership Program.

Photo: Greg Gileco

Penn State's Newspaper Readership Program has a web site with details about the program, participating newspapers, a list of committee members and information on the history of the innovative effort at <http://www.psu.edu/ur/newspaper/>.

"College students who regularly read newspapers, very simply, leave the campus as significantly better informed citizens," said Douglas Anderson, dean of the College of Communications. "I think easy access to newspapers is the key, and this pro-

gram certainly provides that. It hooks students and holds the promise of making them lifelong readers. They profit — as does society."

The College of Communications is the largest accredited communications program in the country, with more than 2,200 students enrolled.

University officials have been meeting with representatives of the newspaper industry for months in anticipation that the Board of Trustees would approve funding for the program at its July meeting. Newspaper dispensing

machines have been designed and manufactured to go in more than 100 locations on the 20 Penn State campuses.

There will be more than two dozen locations at the University Park campus where the specially designed machines will be located — both inside and outside of buildings. Students use their regular student ID cards to open the machines, and they can pick up one, two or all three of the participating newspapers.

Faculty in many disciplines have used newspapers for years as a supplement to other course materials, but the practice began to expand about three years ago when the Newspaper Readership Program was first launched for students living in campus residence halls. Up until now, the cost of the program was supported by University room and board rates.

With the expanded program open to all students living both on and off-campus, the financial support now is included in student tuition fees.

Newspapers participating in the expanded program include: *The New York Times*, *USA Today*, *Centre Daily Times*, *Harrisburg Patriot*, *Philadelphia Inquirer*, *Allentown Mirror*, *Scranton County Times*, *Erie Morning News*, *Reading Times*, *DuBois Courier-Express*, *Uniontown Herald Standard*, *Hazleton Standard Speaker*, *Allentown Morning Call*, *Record Herald*, *Pittsburgh Post-Gazette*, *Valley News Dispatch*, *Pottsville Republican and Evening Herald*, *The Sharon Herald*, *Wilkes-Barre Citizen's Voice*, *Scranton Times* and the *York Daily Record*.



Lectures

Nittany Lion fans warm up to Huddle with the Faculty series

From the German Rhineland, eastern France and Switzerland came a migration that transformed Pennsylvania. What tourists think of today as "Pennsylvania Dutch" culture is only a small part of the 100-year saga of German-speaking immigration to North America.

A. Gregg Roebler, professor and head of the Department of History and Religious Studies and co-director of The Max Kade German-American Research Institute at Penn State, will illustrate the cultural and historical roots of the folk art, food and drink, architecture, music, publishing and religious experiments that characterize our perceptions of the "Pennsylvania Dutch" at 9 a.m. Saturday, Sept. 2, at The Nittany Lion Inn on the University Park campus.

The presentation kicks off this fall's Huddle with the Faculty, a series of free, informal presentations offered by top faculty every home football Saturday morning.

Also on the schedule:

■ Sept. 9: "The Gilded Age Homes of the Vanderbilts" with Craig Zabel, associate professor and head of the Department of Art History;

■ Sept. 30: "On Hemingway's Trail" with Sandra Spanier, associate professor of English and Women's Studies;

■ Oct. 21: "Learning to Labor: Adolescent Kinwork in Multigeneration Families" with Linda M. Burton, professor of Human Development and Family Studies and director of the Center for Human Development and Family Research in Diverse Contexts;

■ Nov. 4: "Pennsylvania Politics: The Game Without Rules" with Mark E. Neely Jr., McCabe Greer professor and Scholar-in-Residence of the Civil War Era Center; and

■ Nov. 18: "Weather in the New Millennium — A Story of Surprise and Intrigue" with Fred Gadowski, instructor in meteorology and Paul Knight, instructor in meteorology and Pennsylvania state climatologist.

Hot beverages will be provided. The series is an outreach service of the Penn State Alumni Association. The Nittany Lion Inn and the Penn State Bookstore.

For more information, call Mary Jane Stout at (814) 865-5466 or e-mail mv54@psu.edu.

Gerontology Center announces colloquia

The Gerontology Center, along with the Geriatric Education Center of Pennsylvania, will hold a number of colloquia this fall. All events will be held from noon to 1 p.m. in 108 Warkit Laboratory on the University Park campus and Lecture Room D at the Hershey Medical Center unless otherwise specified.

The spring 2000 colloquium schedule follows:

■ Sept. 6: "Family Involvement in Residential Settings: Its Prevalence and Implications," Joseph Gaugler, assistant professor, Sanders-Brown Center on Aging, University of Kentucky at Lexington;

■ Sept. 20: "Health Insurance for the Transition to Medicare," Pamela Farley Short, Penn State Department of Health Policy and Administration;

■ Sept. 27: "Awareness of Deficit in Brain Disorders," Dr. Anna Barrett, assistant professor of medicine/neurology, Penn State College of Medicine at Hershey;

■ Oct. 4: "Gender Perspectives on Black American Marriage," Colleen Johnson, professor emerita, Medical Anthropology Program, Department of Epidemiology and Biostatistics, University of California at San Francisco, co-sponsored by the Center for Development and Family Research in Diverse Contexts;

■ Oct. 9 and 10: Social Structure Conference, "Societal Impacts on Personal Control in the Elderly," The Penn State Conference Center Hotel, University Park;

■ Oct. 11: "Empowerment of the Elderly: Strategies to Improve Local

Life Conditions," Cecilia Henning, Department of Behavioral and Social Sciences, University College of Health Sciences, Jönköping, Sweden;

■ Oct. 18: "Relationship Between Hormone Replacement Therapy, Personality and Cognitive Ability in Older Adults," Jacqueline Bichsel, assistant professor of psychology, Penn State Capital College;

■ Oct. 25: "How Extended is the Extended African Family in Providing Support to Dependent Elders?" Peggy Dilworth-Anderson, professor, Department of Human Development and Family Studies, University of North Carolina at Greensboro, co-sponsored by the Center for Development and Family Research in Diverse Contexts;

■ Nov. 1: "Interpretations of Career Successes and Shortcomings: The Retrospective Accounts of Midlife Men and Women," Deborah Suzanne Carr, assistant professor, Department of Sociology, University of Michigan, Ann Arbor;

■ Nov. 8: "Regulation of Skeletal Muscle Blood Flow during Exercise in Older Humans," David N. Proctor, assistant professor of kinesiology, Penn State;

■ Nov. 29: "The Relationship of Age to Pain Outcomes and Quality of Life in Persons with Advanced Cancer," Rosemary C. Polomano, assistant professor of anesthesiology, Center for Patient Outcomes Research, College of Medicine at Hershey;

■ Dec. 6: "Adult Sibling Relationship: Longitudinal Trends," Victoria H. Bedford, professor, Department of Psychology, University of Indianapolis.

Distinguished Speakers Series features impressive lineup

The 2000-2001 Distinguished Speakers Series will feature powerful spokespersons who will spark conversation about a variety of topics on the University Park campus. The scheduled speakers are:

■ Erin Brockovich at 8 p.m. Tuesday, Sept. 12, in Eisenhower Auditorium. Brockovich became a household name when a movie about her life, starring Julia Roberts, was released earlier this year. A twice-divorced, single mother of three, Brockovich talked her way into a file clerk position at the law firm of Masry and Vittoe, where medical records from a real estate case piqued her curiosity. Her solo investigation of the case resulted in the largest direct-action lawsuit of its kind. Pacific Gas and Electric Company was ordered to make the largest legal settlement in U.S. history, paying out some \$333 million in damages to more than 600 Hinkley, Calif., residents. Brockovich now serves as director of environmental research at the law firm and is currently involved in several other major environmental lawsuits. Her efforts and advocacy have won her numerous awards, including the "Civil Justice Foundation Champion of Justice Award" from the American Trial Lawyers Association.

Erin Brockovich



Christopher Reeve

■ Danny Glover at 8 p.m. Thursday, Jan. 25, in Eisenhower Auditorium.

Recognized internationally for his performances in films such as "The Color Purple," the "Lethal Weapon" series and most recently, "Beloved," his on-screen work has earned him many awards and a place in the Black Filmmakers Hall of Fame. Off-screen, he is a powerful advocate for literacy, human rights and community development. Glover was the first goodwill ambassador to the United Nations Development Program, which focuses on eliminating poverty, cleaning up the



Danny Glover

environment, creating jobs and advancing the rights of women. He also is involved in a number of social issues including civil rights and the struggle against apartheid in South Africa.

■ Martina Navratilova at 8 p.m. Tuesday, Feb. 6, in Eisenhower Auditorium. When Navratilova defected from Czechoslovakia to the United States in 1975, she had one goal — to be the best women's tennis player in the world. By the time of her retirement, she had acquired more tournament titles than anyone in tennis history and was named "Athlete of the Decade" for the 1980s. Navratilova is an influential advocate for many causes, including women's issues, gay rights, children's causes, animal welfare and the environment.



Martina Navratilova

The Distinguished Speakers Series is sponsored by the University Park Allocation Committee and coordinated by the Distinguished Speakers Series Committee and the Office of Student Activities.

Funded by student activity fees, the series is free to the public. Tickets are required for the events and will be available at the Eisenhower Auditorium box office about two weeks before each lecture.

For more information, call the Office of Student Activities (814) 863-3786 or stop by 207 HUB-Robeson Cultural Center, University Park.



More Lectures

Conversations at Kern set to begin Sept. 7

The Graduate School will kick off its Fall 2000 Conversations at Kern Series on Thursday, Sept. 7, with the first get-together to discuss "The Art of Identity in the Digital Age."

Charles R. Garoian, director of the School of Visual Arts, will lead the discussion and will address the intellectual significance of the visual arts within the context of the University. He will talk about the importance of a critical art education at a time when the images of visual culture dominate our values, attitudes and beliefs about the body's identity and its health and welfare.

In today's world, technology has progressed to the point that personal computers easily transmit and access vast quantities of images and text via the Internet, CD-ROM and other electronic delivery systems. Body images revealed in television, motion pictures, computers, magazines, newspapers and other forms of mass media, including

electronic imaging, deluge our post-industrial landscape. What these mass-mediated images do not address are the aesthetic issues surrounding the use of visual images in representing the body and its identity. Garoian will argue that the creation and critique of art enable students' political agency within a visual culture.

Three Conversations at Kern are planned for the fall semester from 5:15 to 6:30 p.m. in 112 Kern Graduate Building. Refreshments will be available at 5 p.m. Registration is not required. The series is intended for graduate students, postdocs and faculty members and serves to facilitate an informal exchange of information and ideas in order to enhance the quality of the graduate experience.

More information on dates and topics can be found on The Graduate School Web site calendar of events at <http://www.gradsch.psu.edu/calendar/>.

Authors, activists, philosophers highlight Altoona speaker series

A former MTV VJ, an Olympic hero and a human rights activist headline an all-star cast for Penn State Altoona's 2000-2001 Distinguished Speaker Series.

The series kicks off when former MTV VJ and model Kennedy brings her flatly conservative humor, offbeat fashion sense and Buddy Holly glasses to Penn State Altoona at 7:30 p.m. Wednesday, Sept. 6, to offer her views on Campaign 2000. During her tenure at MTV, Kennedy was host of a nightly video show, "Alternative Nation." She also has been a supermodel in Jean-Paul Gaultier and Nicole Miller's runway shows.

Kurt Andersen, author of *Turn of the Century*, a columnist and critic for *Time* and co-founder of *Spy* magazine will speak at 7:30 p.m. Monday, Oct. 23.

Anderson is a two-decade veteran of the magazine, television, film, theatrical and book publishing worlds. *Spy*, an independent, upscale startup magazine, won a National Magazine Award nomination for general excellence and achieved profitability after three years. His book, *Turn of the Century*, is a critically acclaimed, best-selling novel.

On Oct. 8, 1998, Judy and Dennis Shepard were awakened in the middle of the night by a telephone call no parent should ever have to receive. What they heard changed their lives forever. Their eldest son, Matthew, was in a coma after having been brutally attacked — because he was gay. On Oct. 12, Matthew died from the injuries sustained in the beating. Judy Shepard is determined to use her grief over Matthew's death to do what she can to

CNN correspondent kicks off Penn State Forum lunch series

Charles Bierbauer, senior Washington correspondent for the Cable News Network (CNN) and a Penn State Distinguished Alumnus and Alumni Fellow, will be the featured speaker at the Penn State Forum's first luncheon for the 2000-01 season.

The event will take place from 11:30 a.m. to 1 p.m. Friday, Sept. 8 in The Nittany Lion Inn Ballroom on the University Park campus. The topic of Bierbauer's speech will be "Back to Class — After All These Years."

Bierbauer covers critical public policy issues for CNN, including the Supreme Court, legal issues, the federal budget, tax reform and health care. As CNN's senior White House correspondent for nine years during the Ronald Reagan and George Bush administrations, he has spent more years at the White House than any U.S.



Charles Bierbauer

president except Franklin D. Roosevelt.

Bierbauer earned bachelor's degrees in journalism and Russian and a master's degree in journalism from Penn State. He teaches a media and government course for the College of Communications' Washington program.

Sponsored by the Penn State Bookstore, the Forum is an offering of the Faculty/Staff Club and is open to the public. The luncheons, modeled after the National Press Club, include a lecture by the invited speaker and an opportunity for questions from the audience.

For more information or tickets, call (814) 865-7590 or visit the Faculty/Staff Club's Web site at <http://www.psu.edu/dept/fsc/>. Tickets are \$11 general admission and \$110 for tables of 10. Faculty/Staff Club members can purchase individual tickets for \$9.

ensure that no other parent will have to endure what she has. She will share Matthew's legacy during her visit at 7:30 p.m. Monday, Nov. 13.

Jack Hanna, host of the hit television series "Jack Hanna's Animal Adventures" and director emeritus of the Columbus Zoo, will bring his enthusiasm and wonderment with every new creature and experience he encounters to the campus at 7:30 p.m. Wednesday, Feb. 7, 2001. Each week in his show, Hanna takes millions of family viewers on exciting journeys to learn about animals and the places they live.

Peter Singer, founding president of the International Association of Bioethics and founding co-editor of the journal *Bioethics*, will discuss the decisions that are made about life and death at 7:30 p.m. Tuesday, Feb. 27, 2001.

Singer is a controversial proponent of euthanasia, not just for the terminally ill, but also in some cases, for the very young.

As a member of the Women's World Cup Championship soccer team, Brandi Chastain has a long tradition of winning, which began in high school, where she led her team to three state championships. She also was a member of the Gold Medal-winning U.S. Women's National Team at the 1996 Centennial Olympic Games. She concludes this year's speaker series at 7:30 p.m. Wednesday, April 11, 2001.

The Distinguished Speaker Series is free to the public and each program will be presented in the Adler Athletic Complex. Tickets are available at the Penn State Altoona Bookstore from 8 a.m. to 4:30 p.m. Monday through Friday.

University strives for coherent Web presence

The World Wide Web is everywhere at Penn State and Web usage is widespread and pervasive. But to meet the Web's full potential, said a new task force report, Penn State needs a University-wide, systematic strategy for a coherent Web presence and for the future development of Web-based initiatives.

"Given the overall pervasiveness of the Internet, the task force believes that Penn State urgently needs to create a high-quality, coherent institutional presence on the Web and improve its use of the Web for key functions in all departments and units," said task force chair James H. Ryan.

Ryan, vice president for outreach and cooperative extension at Penn State, led the 16-member task force on University Web strategies and directions. The task force worked more than a year on assessing University Web use and preparing its report. In order to meet the Web's full potential, the task force said Penn State must act at two levels:

- First, the University must develop a unified strategy for the Web, based on institution-wide standards, principles and planning.

- Second, each academic and administrative unit must integrate specific Web strategies into its own strategic plan and actions, consistent with the University-wide mission.

The report's recommendations include integrating all the University's core functions into the Web and setting up a senior-level University-wide standing committee that would advise the administration on how to respond to the rapid pace of change in the Web environment. To help achieve its objectives, the report offers the University community guiding principles, strategic recommendations and implementation guidelines.

The report is on the Web at <http://www.psu.edu/ur/webstyleguide/ur/webstyleguide.pdf>. The report's appendices are at <http://www.psu.edu/ur/webstyleguide/ur/webstyleguide.pdf>.

Golfers to tee off for United Way

The Centre County United Way and the Penn State Community will hold the annual Centre County United Way Golf Tournament Sept. 18 at the State College Elks Country Club in Boalsburg, near University Park. The tournament is one of a number of special projects being planned by faculty and staff in support of this year's United Way Campaign on the University Park campus.

Cost of the four-person scramble is \$60 per player and includes green fees, cart, tee prizes, golf shirt and picnic. Cost to attend the picnic only is \$15 per person.

The tournament is a four-person scramble with shotgun starts at 8 a.m. and 1 p.m. Morning registration begins at 7 a.m. Afternoon registration begins at 11:30 a.m. A picnic will be held following the afternoon portion of the tournament.

To participate or for more information, call John Dixon at (814) 863-3634 or Paul Pellowchik at (814) 863-3746.



Arts & Entertainment

Bach's Lunch

Seven voice jury honors students will sing at the first Bach's Lunch concert of the fall semester at 12:10 p.m. Thursday, Sept. 7, in the Helen Eakin Eisenhower Chapel on the University Park campus. These undergraduate students performed outstanding juries at the end of spring semester last May.

The free, 20-minute concert is sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish. After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkins Lounge in Eisenhower Chapel. Coffee and tea will be provided.

School of Theatre

The School of Theatre has a number of projects on its production schedule for University Park during its 2000-2001 season. This year's schedule features:

■ **Lucky Stiff**, book and lyrics by Lynn Andrews, music by Stephen Flaherty. This farcical murder mystery will be on stage at 8 p.m. Sept. 22-23 and 25-30, with previews at 8 p.m. Sept. 20-21 and a matinee at 2 p.m. at the Pavilion Theatre.

■ **Spide Heels**, by Theresa Rebeck. This comic love story will be on stage at 8 p.m. Oct. 20-21 and 24-28, with previews at 8 p.m. Oct. 18-19 and a matinee at 2 p.m. Oct. 28 at The Playhouse.

■ **The Piano Lesson**, by August Wilson. This Pulitzer Prize-winning dramatic work about the African American experience in the 20th century will be on stage at 8 p.m. Nov. 3-4 and 6-11 with previews at 8 p.m. Nov. 1-2 and a matinee at 2 p.m. Nov. 11 at the Pavilion Theatre.

■ **Julius Caesar**, by William Shakespeare. This updated version of one of Shakespeare's bloodiest tragedies plays at 8 p.m. Nov. 17-18 and 28-30, and Dec. 1-2 with previews at 8 p.m. Nov. 15-16 and a matinee at 2 p.m. Dec. 2 at The Playhouse.

■ **Carnival**, by Michael Stewart and Bob Merrill. This surreal musical will be on stage at 8 p.m. Feb. 16-17 and 19-24 with previews at 8 p.m. Feb. 14-15 and a matinee at 2 p.m. Feb. 24 at The Playhouse.

■ **Show and Tell**, by Anthony Clare. This modern drama is on stage at 8 p.m. March 23-24 and 27-31 with previews at 8 p.m. March 21-22 and a matinee at 2 p.m. March 31, venue to be announced.

■ **The Basset Table**, by Susanna Centlivre. This comedy of intrigue is on stage at 8 p.m. April 13-14 and 16-21 with previews at 8 p.m. April 11-12 and a matinee at 2 p.m. April 21 at the Pavilion Theatre.

For more information, check the Web at <http://www.psu.edu/dept/theatrearts/>



"Postcards from the Reconstruction: Paintings by Norman Fetter" is on display in the North Halls exhibit area, 133 Warnock Commons on the University Park campus, as part of the Art on the Move series. The exhibit continues through Sept. 15.

Kiss Farewell Tour to stop at Jordan Center

Kiss, The Farewell Tour, will perform for the last time at 7:30 p.m. Wednesday, Sept. 27, at The Bryce Jordan Center on the University Park campus. Tickets are \$49.50 and \$35 for reserved seating. Opening for Kiss will be the group Skid Row.

Gene Simmons, Paul Stanley, Ace Frehley and Peter Criss are retiring. The band got its start in 1973. In the 1980s band members changed and the trademark Kiss makeup came off. Later, the band faded from view.

BRYCE JORDAN CENTER

In 1995 they again joined forces for an MTV reunion, which led to new CDs, a movie and more touring, in makeup, for four more years.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 and (814) 865-5555 or online at <http://www.bjc.psu.edu/>.

HUB-Robeson exhibit

"A Heritage of Art and Honor: Artwork by students in the College Assistance Migrant Program and the Comprehensive Studies Program" is on display in the HUB-Robeson Center Art Alley on the University Park campus through Oct. 2. The artwork shown here was created by students participating in two of the University's Academic Advancement Programs.

The College Assistance Migrant Program is a federally-funded project that serves children of migrant or seasonal workers in their freshman year of college. The program began at Penn State in 1993 and has helped more than 180 migrant students attend college.

The Comprehensive Studies Program serves a diverse group of Penn State students who, notwithstanding various barriers, have set their goals to graduate as high achievers. The program offers an array of academic support services to help them refine their basic academic skills.

The Art Alley is a contiguous series of display areas adjacent to the HUB

Gallery on the first floor of the HUB-Robeson Center. For more information, check the Web at <http://www.psu.edu/HUB/Galleries/> or call (814) 865-2563.

Shaver's Creek upcoming events

The following events and programs will be offered by Shaver's Creek Environmental Center, near the University Park campus, in the coming months. Call (814) 863-2000 or (814) 667-3424 to preregister.

■ **Boy Scout Fish and Wildlife Badge Day**
Saturday, Nov. 11, 9 a.m.-4 p.m.
Maximum of 40 scouts; \$12 per scout.

■ **FeederWatch Training**
Learn to identify birds as you collect data for the bird population count coordinated by Cornell University's Lab of Ornithology (<http://www.birds.cornell.edu/>), Nov. 12, 13 p.m.; free.

■ **Contra Dance**
State College Friends School, 1900 University Dr. Extension, Saturday, Nov. 18, from 7:30-10:30 p.m., for all ages; nonmembers \$6, members \$5, children free.

■ Candle Making

Two separate sessions on Saturday, Nov. 18, from 10 a.m. to noon, or from 1-3 p.m. Each session is limited to 15 participants, ages 10 and over (children under 16 must be accompanied by an adult); maximum 25 participants. Bring a few old candles to recycle and wear close-fitting sleeves and old clothes. Members \$5, nonmembers \$6.

■ Wreath Making

Saturday, Dec. 2, from 9 a.m.-noon, ages 12 and older; maximum of 25 participants. Bring your own dried flowers, decorations or ribbon; if you have them, bring hand pruners and a glue gun. Dress for both indoor and outdoor work. The fee includes natural materials for one to four wreaths per person (depending upon the styles selected). Members \$22.50, nonmembers \$25.

■ Christmas Tree ID

Become an evergreen expert on Sunday, Dec. 3, from 2-4 p.m.; ages 10 and older. Minimum of 10, maximum of 30, participants. Members \$4, nonmembers \$5.

■ Holiday Kid Craft — ages 8 and up

Crafty kids create holiday ornaments using natural materials that Shaver's Creek provides, on Saturday, Dec. 9, from 2-4 p.m. Members \$3, nonmembers \$4.

■ Candlelight Holiday Contra Dance

Saturday, Dec. 16, from 7:30-10:30 p.m., State College Friends School, 1900 University Dr. Extension; all ages. Bring a candle or oil lamp and a snack to share. Members \$5, nonmembers \$6.

"Art on Campus"

The Second Annual Collection Showcase of "Art on Campus" at Penn College features two quilts, two mixed-media paintings, an oil painting and an iris print photograph.

The six pieces are currently on display in prominent places around the campus. Chairing the selection committee was Fred Gilmour, assistant professor of advertising art and director of instructional technology and distance learning at Penn College.

This year's pieces and the artists who crafted them are:

■ "Ghost Women" iris print (photograph) by Lynn Estlin, assistant professor of art at Lycoming College.

■ "Undergrowth" quilt by Susan B. Faeder, owner of Quilters' Express to Japan.

■ "No. 903" and "No. 904" mixed-media paintings by the late Marvin Halye, former commercial artist.

■ "Unexpected Kiss" oil painting by Craig Kauffman, part-time faculty member in the Advertising Art Department at Penn College, who also teaches art in the Williamsport Area School District and at Lycoming College.

■ "The Value of Color" quilt by Carol Taylor, an avid quilter and teacher who has quilted since 1993.

UNIVERSITY PARK CALENDAR

September 1 - September 10

SPECIAL EVENTS

Friday, September 8

State of the University Address, President Spanier, 4 p.m., Eisenhower Auditorium.

MUSIC

Thursday, September 7

Bach's Lunch, seven voice jury honors students, 12:10 p.m., Eisenhower Chapel.

Friday, September 8

Tim McGraw and Faith Hill, 8 p.m., The Bryce Jordan Center.

SEMINARS

Friday, September 1

Pablo Laguna on "The Role of Numerics in General Relativity,"

11 a.m., 318 Osmond Laboratory.

Ahnya Redman on "Induced Defense in Two Solanaceous

Plants: Costs, Benefits and Ecological Consequences,"

11:15 a.m., 11B Agricultural Sciences and Industries.

Tom Sweet and Nancy Anderson on "The Pennsylvania GIS

Consortium," 4 p.m., 301 Steidle.

Saturday, September 2

A. Gregg Roeber on "Pennsylvania Dutch," 9 a.m., The Nittany

Lion Inn.

Wednesday, September 6

Joseph Gaugler on "Family Involvement in Residential Settings:

Its Prevalence and Implications," noon to 1 p.m.,

108 Wartik Laboratory.

Thursday, September 7

Charles R. Garolan on "The Art of Identity in the Digital Age,"

6:15 to 6:30 p.m., 112 Kern.

Friday, September 8

Diana Cox-Foster on "Insects Versus Insect Pathogens and

Parasitoids: New Insights into the Biochemistry and Regula-

tion of the Insect Cellular Immune System," 11:15 a.m.,

504 Agricultural Sciences and Industries.

Charles Bierbauer on "Back to Class ... After All These Years,"

11:30 a.m., The Nittany Lion Inn.

Saturday, September 9

Craig Zabel on "The Gilded Age Homes of the Vanderbilts,"

9 a.m., The Nittany Lion Inn.

EXHIBITS

Engineering Unit C

Works from Spring 2000 Architecture 432 class, through

Aug. 31.

HUB-Roberson Center

"Diverse Unity in Art," through Sept. 15.

"Logo Design," works by Alpha O. Harrison, through Sept. 24.

"American Landscapes," paintings by Jim Saleem, through

Sept. 24.

"Out of the Box: Myths and Reality" by Dori Grace Lemeh,

through Aug. 30.

"Ellie Groninger Woodward: Metal Art," through Oct. 15.

"Heritage of Art and Honor," student artwork, through Oct. 2.

"Indian Saris," through Sept. 29

"Visual Serendipity: Paintings by Jaime Ursic," through

Aug. 30.

Kern exhibit area

"The New Berlin, Views of the City Before and After the Wall,"

through Sept. 22.

"The Graduate School Yesterday and Today," through Aug. 30.

"The Oeforest Collection of Folk Pottery from the Matson

Museum of Anthropology," through Dec. 7.

"The Prehistory of Penn State," Sept. 5 through Oct. 25.

North Labs exhibit area

"Postcards from the Reconstruction," paintings by Norman Fet-

ter, through Sept. 15.

Palmer Museum of Art

"Also Ajar: Constructions and Collages," Special Exhibitions

Gallery I and American Works on Paper Gallery, through

Sept. 11.

sua2000 Faculty Exhibition, Special Exhibitions Gallery II,

through Sept. 17.

Rietzsch exhibit area

Paintings by Jaime Ursic, through Oct. 19.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cae.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.ojtreach.psu.edu/conferences.html>.

Artist at work



Stonemason James Deitos recently put the finishing touches on a new Nittany Lion shrine at Penn State Hazleton. The shrine is a way to cement the campus' connection to University Park, and is the centerpiece of "Pathway to the Future," personalized bricks that will be laid around the campus and the new Nittany Lion shrine. The bricks will cost \$150 or \$300 each, depending on the size, with the proceeds funding a student scholarship. The campus will begin selling bricks in September.

PENN STATERS

Eric Burnett, the Bernard and Henrietta Haokin chair of residential building construction, organized a Pennsylvania Housing Research Center meeting of the International Commission on Buildings. The meeting brought together international experts on historic structures and modern masonry. Attendees came from Spain, Canada, Portugal, Germany, the United Kingdom, Slovenia, Finland, the Czech Republic, Italy and Brazil.

A paper co-authored by **Paul H. Cohen**, distinguished professor of industrial and manufacturing engineering, **Robert C. Voigt**, professor of industrial and manufacturing engineering, and **Ruben Marwanga**, research assistant and Fulbright Fellow, has been recognized by the American Foundry Society, a professional society that promotes the metal casting industry, with a Best Paper Award in the cast iron division. "Influence of Graphite Morphology, Matrix Structure on Gray Iron Machining" explains how cast iron microstructure influences the amount of cracking and chipping that occurs during machining. The paper also provides information on improving machining quality and cost.

Lee Samuel Finn, associate professor of physics, astronomy and astrophysics, presented invited talks at two international events. He presented "Upper Limits for LIGO I: Bounding the Possible" at the Ninth Marcel Grossmann Meeting in Rome. He also presented "LISA, Astrophysics and the Physics of Gravity" at the Third LISA Symposium at the Albert Einstein Institute in Göttingen, Germany. In addition, he was selected to serve on a panel addressing "Joint Data Analysis for Detector Networks" during the international Fourth Gravitational Wave Data Analysis Workshop in Rome.

Masatoshi Nei, Evan Pugh professor of biology, has been awarded honorary membership in the Japanese Society for Histocompatibility and

Immunogenetics. He was honored because of his contributions to various areas of biomedical science, especially the advancement of the study of major histocompatibility complex genes.

Nel Porterfield, dean emeritus of the College of Arts and Architecture, received the Educator of the Year award from the Council of Educators in Landscape Architecture at its annual meeting in Guelph, Ontario. The Council includes all landscape architecture educators in the U.S. and Canada.

Rustum Roy, Evan Pugh professor emeritus of the solid state and professor emeritus of geochemistry, has been elected as a foreign member of the Russian Academy of Sciences, one of the oldest scientific academies in the world. Roy was recognized as a chemist for his leadership in inorganic materials synthesis and processing.

The College of Engineering's Learning by Industry-Driven Design program has been recognized by the Corporate and Foundation Alliance (CFA) for its exemplary effort to improve teaching and learning. Developed by a multi-disciplinary team of engineering faculty, the curriculum allows students to experience hands-on applications of engineering principles in an industrial setting. Two initiatives serve as the foundation of the program: the "First-year Design Experience," a course that introduces engineering early in the undergraduate curriculum, and The Learning Factory, a design and fabrication facility equipped with state-of-the-art equipment. More than 2,500 students participate each year in the program, which is overseen by **Dushy Sathianathan**, associate professor of engineering design and graphics. **John Lamanusa**, professor of mechanical engineering, directs The Learning Factory. The CFA serves as a catalyst for revitalizing the nation's undergraduate science, mathematics, engineering and technology education programs.



News in Brief

Electronic resources available

The University Libraries have subscribed to seven new business-related databases, providing users with improved access to company, industry and equities information; investment house reports; federal and state tax information; and more. The databases can be accessed via the LIAS Fast Track at <http://www.lias.psu.edu/>.

The databases include: Wharton Research Data Service, which offers Web access to Compustat and other business research databases; Global Access, which provides company financial and industry information; Standard and Poor's NetAdvantage, which offers access to Standard and Poor's library of company, industry and equities information; Commerce Clearing House federal and state tax database; TableBase, a database offering tabular data on a wide variety of business topics; Muxlex, which offers full-text investment house reports; and Zacks University Analyst Watch, a service from Zacks Investments Research Inc., that provides investment and portfolio services geared toward college students.

The William and Joan Schreyer Business Library, on the third floor of Paterno Library on the University Park campus, can provide reference assistance for these databases.

For more information, contact Gary White at (814) 865-9268.



Bob Walker, a research technologist for the Department of Entomology, soaks a controlled section of sod with soapy water to drive any sod web worms to the surface. These worms are a major problem to golf courses around the country. The work takes place at the Joseph Valentine Research Center on the University Park campus.

Photo: Greg Grieco

Three are chosen as EMS Alumni Fellows

Three alumni of the College of Earth and Mineral Sciences will visit University Park Sept. 7-8 to be honored as Alumni Fellows. They are D. Ray Booker, Rosalyn G. Millman and Gregory J. Yurek.

Booker is an entrepreneur who founded his first company, Weather Science Inc., while he was a graduate student at Penn State. It was the first of his several successful companies that have provided weather support for the Armed Forces in Vietnam, support for the missile test range in the Pacific, global measurements of cloud parameters and instrumentation of manned aircraft and drones.

Today Booker's primary role is as founder and CEO of Aviation Technologies, a company that leases aircraft for special-mission applications.

Booker earned his M.S. and Ph.D. in meteorology from Penn State and holds a B.S. in aeromechanical engineering from Oklahoma State University.

Millman was named deputy administrator of the National Highway Traffic Safety Administration in September 1999 and served as acting administrator from October 1999 to May 2000.

Before her appointment as deputy administrator, Millman served for six years in the U.S. House of Representatives as a transportation economist for the Democratic staff of the Committee on Transportation and Infrastructure. Most recently Millman worked for the Subcommittee on Ground Transportation.

Millman received her B.S. in geography from Penn State and a master's degree in economics and public policy from Princeton University in 1988. She is a Centennial Fellow of the College of Earth and Mineral Sciences.

Yurek is president, CEO and chairman of the board of American Superconductor Corp., which he co-founded in



D. Ray Booker



Rosalyn G. Millman



Gregory J. Yurek

1987. The company was established to commercialize a new family of high-temperature superconducting materials that will have an impact on applications ranging from medical diagnostic equipment to electric power storage and transmission.

From 1976 to 1988, Yurek was co-director of the H.H. Uhlig Corrosion Laboratory at MIT, where he was professor of materials science and engineering.

He obtained his B.S. and M.S. degrees in metallurgy from Penn State and a Ph.D. in metallurgical engineering from Ohio State.

The Alumni Fellow Award, sponsored by the Penn State Alumni Association, was designed to bring successful alumni back to the University to interact with students and share with them their accumulated knowledge and expertise.

While at Penn State the EMS Alumni Fellows will meet with students one-on-one, in classes and in informal discussion groups. Their visits will culminate in formal presentations to EMS students and faculty. The Board of Trustees has designated the title of Alumni Fellow, the most prestigious award given by the Penn State Alumni Association, as permanent and lifelong.

NEW AT PENN STATE

Fayette opens campus at the Uniontown Mall

Penn State Fayette has officially opened a campus site at the Uniontown Mall.

The new campus location will offer credit and continuing education courses applicable to certificate programs, associate degrees and baccalaureate degrees.

Although the new site is especially convenient for Uniontown Mall employees, campus executive officer Gregory Gray emphasized that Penn State Fayette welcomes the entire community to take advantage of the added convenience. The new site puts a Penn State campus within walking distance for many Uniontown residents.

Kelly Hunt, mall site coordinator and a continuing education representative, will serve as the contact person for the community.

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters/>.

■ Weight Watchers — WEI 018

This program may be joined at any time. For payment options e-mail Denise Brooks at drb2@psu.edu or Suzanne Harpster at sh44@psu.edu. HealthAmerica HMO reimbursable up to \$150 per calendar year for weight management. Cost: \$162, lifetime members \$148.

Section 1: Noon to 1 p.m. Tuesdays, Sept. 5 to Dec. 19, 221 Chambers Building.

Section 2: Noon to 1 p.m. Wednesdays, Sept. 6 to Dec. 20, 301A Agricultural Administration.

Welcome back!

Summer is over, fall semester has begun. Keep on top of the latest

University news through the **Employee Newswire**.

It's easy.

Just go to the Web at

<http://www.psu.edu/> and click on the link under "Announcements"

to sign up for your **FREE Employee Newswire**, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.

Parts of renovated Beaver Stadium are ready for season opener

By BILL CAMPBELL
Special to the Intercom

When fans arrive at Beaver Stadium on Saturday, Sept. 2, for the Penn State 2000 football season home opener, they'll see a work in progress and it won't only be the Nittany Lions.

They'll be greeted by a new concourse in the east stands, new ramps and stairs, concession stands and restrooms, and reconfigured scoreboards, including a new state-of-the-art, 160-by-40-foot scoreboard which boasts video replay capability, as work on the stadium's expansion moves ahead.

The \$93 million project will add approximately 11,000 seats, including 58 luxury suites and 4,000 club seats with access to a large lounge area. Other features include an all-sports museum, new locker and media rooms, new and renovated restrooms and concession areas, and an improved exterior or façade. It is expected to be completely finished in time for the 2001 season.

"I think fans will be enthused and excited when they see the improvements that have been completed in time for this year's home opener," Jeff Mallory, director of design and construction for the Office of Physical Plant, said.

"They can expect to see additional improvements at each game this season. The work has been progressing better than expected. It is one of the more difficult projects to coordinate because we are working in many areas while striving to maintain quality and not negatively affect spectators during the season."

Plans call for construction operations to close on Thursday evenings before home games this season, with stadium preparation being made on Friday. Following the game, the construction site will be brought back to life and work will resume on Monday. Construction areas will be fenced off and unavailable to fans during the games.

One of the major changes will involve getting into the stadium. There will be five major gate entrances at the northeast, northwest, southeast and southwest corners and the current existing north gate entrance.

"It will be very similar to what fans saw during the Blue/White game," W. Herbert Schmidt, associate athletic director, said. "While there will be fewer entrance gates than in the past, there will more ticket takers to help facilitate the flow of fans through the gates."

Once inside, Mallory said fans will have more areas in which to move around.

"We also have been trying to make certain we maintain the same level of restrooms as in the past and add wherever possible for the first game."



A skeleton of the new seating in the south end zone, left, has been covered with decking, right, as work continues on the Beaver Stadium expansion project. While that section will not be completed for the start of this football season, other renovations have been completed.



Photo: Greg Glesco



A worker is busy cutting cinderblocks for the construction on the southwest side of the stadium. New concession stands will be open in the south end zone area, along with new restroom facilities.

Photo: Greg Glesco

New concession stands, complete with television sets playing the game action, will be open in the south end zone, as will the new restroom facilities. The new ramp for access into south end zone seating also will be open.

The new east stands concourse will be open for the first game; its restrooms will be available for the third game. The construction schedule calls for the west stands concourse to be open for the third game and its restrooms open for the sixth game. Concession stands on both the east and west concourse will not open until next year.

One of the most visible changes inside the stadium will be the configuration of the old — and now temporary — scoreboard in the south end zone. It

has been split in half, with the southwest section housing the clock, down markers and score, and the southeast section featuring a combination of matrix animation, clock, downs and score.

"We wished we could have maintained the old scoreboard, but we had to split it in order to allow construction to continue," Mallory said. "It is another example of our commitment to maintain the quality of the past while adding improvements. We're not certain that the new north end scoreboard will be functional for the first game, but we are working toward that goal. The new ribbon scoreboards under it will be in operation."

A major concern outside the stadium involves the loss of parking where construction is taking place. Also

impacting parking is the new Centre County Visitors Center and nearby I-99 intersection construction.

"We are trying to counter this loss of parking by working with Intercollegiate Athletics and the College of Agricultural Sciences to obtain new space so we don't have a net loss," said Stephen G. Shelow, assistant director of University Police.

Schmidt said one major parking change involves the relocation of overnight recreational vehicle parking to north of the Ag Arena. It will be accessible off Park Avenue.

"We also have designated the Shields Building parking lot as a bus parking lot and will consolidate all bus parking there. Day-of-game recreational vehicle parking will be relocated from the Shields lot to other areas. Also, large-group tenting at the baseball field will be relocated to the infield area of the outdoor track."

Shelow said University Police doesn't expect any significant traffic changes.

"It's naive to think the I-99 work won't have any effect," he said, "but we will have the same number of lanes and we'll implement the same general strategies that have been successful over the years. There will be some operational changes but these will not be felt or noticed by the public. We are prepared to load the parking lots and implement the traffic patterns as we have in the past."

According to Mallory, the project currently is on schedule and within budget.

"We have a great team of design professionals, contractors and construction managers involved," he said. "It has taken a real effort between Penn State employees, contractors, construction managers and designers to get where we are today. If we pull it off, and I'm confident we will, there will be a lot of happy people, including the Nittany Lion fans."

College of the Liberal Arts recognizes outstanding professors

The College of the Liberal Arts has recently recognized seven faculty members for their outstanding contributions to the University.

John Sallis, Londa Schiebinger and James L.W. West III have been named Edwin Erle Sparks professors, and Thomas A. Hale has been named liberal arts professor. The awards honor faculty members who have a sustained record of excellence in teaching, leadership and research. In addition, Alan Booth, Robert Proctor and David Rosenbaum recently received the title of distinguished professor, in recognition of their outstanding contributions to the University.

In February, 17 other faculty members within the Penn State system were honored with the title of distinguished professor, a special academic title intended to recognize a limited number of outstanding professors.

Sallis, Edwin Erle Sparks professor of philosophy, is recognized as one of the most distinguished philosophers in the United States. His work encompasses the history of philosophy and contemporary philosophy. Sallis, a faculty member since 1996, is author of 12 books and is the founding editor of *Research in Phenomenology*.

Schiebinger, Edwin Erle Sparks professor of the history of science and women's studies, joined Penn State in 1989. She is the author of three books and her work has shaped the way we look at "value-free" science, gender and women's roles in the history of science.

West, Edwin Erle Sparks professor of English, is a noted author and edi-



John Sallis



Londa Schiebinger



James L.W. West III



Thomas A. Hale

tor of contemporary American literature. A faculty member since 1986, he has produced new editions of several well-known works of fiction. The director of the Center for the History of the Book and an editor of *Penn State Press' History of the Book series*, West has received four grants and fellowships from the National Endowment for the Humanities.

Hale, liberal arts professor of African, French and comparative literature, has been the backbone of the African Studies programs at Penn State for many years. He is editor of several collections of oral and written African epics. He recently was principal investigator on a major grant from the U.S. Department of Education designed to strengthen the study of Africa at Penn State.

Booth, distinguished professor of sociology, human development and



Alan Booth



Robert Proctor



David Rosenbaum

demography, joined the University in 1991. A specialist in family studies and on the influences of biological factors on behavior, he has published more than 100 articles in scholarly journals. He has been the principal investigator of a 20-year study based on interviews and re-interviews of a national panel of married adults, which has been supported by various federal and private agencies.

Proctor, distinguished professor of the history of science, has been a faculty member since 1990. A specialist in the history of medical science, he focuses his work on the interrelationships of values, politics and medicine. During the

past decade, he has published four internationally acclaimed books. The National Endowment for the Humanities, the National Institutes of Health and several private organizations and foundations have supported his work.

Rosenbaum, distinguished professor of psychology, specializes in cognitive psychology. He is a world-renowned scholar on human control of motion. Rosenbaum, who joined the University in 1994, has published more than 80 articles and chapters. The National Science Foundation, the National Institute of Mental Health and the National Institutes of Health have supported his work during most of the last 18 years. He is editor of *Journal of Experimental Psychology: Human Perception and Performance*.

Candidates for appointment as distinguished professors are nominated by their peers, departments or programs. They must be current, full-time active members of the faculty, holding the rank of professor and not currently holding an endowed chair, professorship or faculty fellowship.

For more information about the appointment of distinguished professors, visit the Web at <http://www.ohr.psu.edu/> and click on "policies." For a listing of the other 17 distinguished professors named this year, go to http://www.psu.edu/ur/archives/intercom_2000/Feb17/professors.html.



Partings

Professor emeritus of architecture served 39 years

Louis Inerra, professor of architecture, retired June 30 with emeritus status after 39 years with the College of Arts and Architecture in the Department of Architecture.

Inerra received architectural degrees from Penn State and Yale University. During his career at Penn State, Inerra was honored with the

Faculty Award for Outstanding Teaching from the College of Arts and Architecture and the Milton S. Eisenhower Award for Distinguished Undergraduate Teaching from Penn State.

The Association of Collegiate Schools of Architecture also named him a distinguished professor.

Associate professor of architecture earns emeritus rank

Don Alvaro Leon, associate professor of architecture, retired with emeritus rank on July 1 from the Department of Architecture.

Leon received his bachelor of architecture degree from Cornell University and a master of science degree in architecture from Penn State. He is the only person in the arts at Penn State to win a Woodrow Wilson Hispanic Leadership fellowship study at Princeton University.

While teaching at Penn State he was awarded numerous honors. He served on the University Faculty Senate and

the Faculty Senate Council where he crafted the legislation for the present Facilities Planning Architecture Board.

Most notable among several award-winning designs is Leon's design with three Penn State colleagues — John Lucas, Veronica Burns-Lucas and Eliza Pennypacker — that won the national Korean War Veterans Memorial competition in 1989 and was unveiled in the White House Rose Garden by President George Bush.

Leon views his retirement as a time to redirect his professional efforts to his continued practice as an architect.

Associate professor emeritus taught at Beaver since 1968

J. Paul McRoberts, associate professor emeritus of English, has retired from Penn State Beaver.

McRoberts taught undergraduate and graduate-level English composition and literature courses at Beaver campus since 1968. He previously taught high school English at Beaver Falls and Perry high schools.

In addition to teaching, McRoberts also served as the acting director of academic affairs during the 1992-93 academic year. He served as the campus coordinator of the English Department until his retirement, and also has served as the dean's representative in the liberal arts, communications and business.



J. Paul McRoberts

McRoberts holds a doctorate in renaissance literature from Kent State University, a master's degree in 19th century British literature from Kent State, and a bachelor's degree in English from Slippery Rock University.

His research has focused on Shakespeare. He authored a book, has written numerous articles for scholarly journals and presented papers and workshops throughout Pennsylvania and across the nation.

McRoberts has served on and chaired numerous committees for the University and received numerous grants for academic research.

Financial officer retires from Penn State Beaver

Financial officer Richard T. Sosnowski recently retired from Penn State Beaver after 30 years of service.

He served as financial officer for Beaver campus since 1984. Before that, he was the first financial officer at Penn State Erie. As financial officer, Sosnowski was responsible for budget control, maintaining student

accounts, and related financial matters.

Before working for Penn State, Sosnowski was a cost accountant for HRB-Singer Inc. in State College and an auditor for the Defense Contract Audit Agency in Philadelphia. Sosnowski holds a bachelor's degree in accounting from Gannon University.



Focus on Research

Married couples who first lived together display poorer communication skills

By BARBARA HALE
Public Information

A Penn State study that involved videotaping 92 recently married couples talking in their living rooms showed that those that had lived together before tying the knot had poorer communication skills when trying to solve a marital or personal problem than couples who didn't previously cohabit.

"These data suggest that couples who choose to live together before marrying might need to work on these skills to counteract the risk of divorce that poorer communication competence could pose," said study director Catherine Cohan, assistant professor of human development and family studies. "However, we believe it is premature to draw firm conclusions about intervention or policy since this is the first study of its type."

Cohan worked with Stacey Kleinbaum, a master's degree candidate in human development and family studies.

Contrary to the popular belief that living together will improve a person's ability to choose a marriage partner and stay married, the opposite is actually the case, Cohan said.

"It has been consistently shown that, compared to spouses who did not cohabit, spouses who cohabited before marriage have a higher perceived likelihood of divorce and higher rates of marital separation and divorce," she said. However, why cohabitation and divorce are related remains unknown.

Cohan's study is the first to compare the problem-solving and support behavior skills of married couples who did not previously cohabit with those that did. In the study, the researchers visited the couples at home and talked with the husband and wife separately.

During these separate interviews, both the husband and wife had an opportunity to review a list of common marital problems and then select one that was important in their own marriage. The list included problems with sex, money, in-laws, career decisions, religion, the timing of children, who should do what chores around the house and other typical sources of marital strife.

Later, the husband and wife sat together on the sofa in their living room in front of a video camera and were instructed by the researcher to spend 15 minutes trying to solve the problem that one of them had selected as important in their marriage. The researcher then left the room and the video camera recorded the interaction between husband and wife. Two conversations were videotaped. One in which the couple discussed the problem selected by the husband and one



Catherine Cohan, assistant professor of human development and family studies, said more study is needed on the reasons for the apparent link between cohabitation and divorce.

Photo: Greg Grieco

in which they discussed the problem selected by the wife.

On viewing the videotapes and analyzing them using standard psychological techniques, the researchers found that the couples who had lived together before marriage, even for as little as a month, displayed more negative and less positive problem-solving behaviors compared with the spouses who had not cohabited.

In particular, when the husband had picked the problem the couple was trying to solve, the spouses who had cohabited expressed more negative behaviors such as coerciveness and attempts to control. In general, wives who had lived with their husbands before marriage expressed

more verbal aggression than wives in couples with no prior cohabitation.

Currently, about half of U.S. couples live together before marrying. Cohan said this fact makes the need for further research evident. The results of this study combined with results from past cohabitation research and marital communication research suggest that problems with communication may be the link between cohabitation and the high rates of divorce.

"An important next step is to follow newlywed couples with and without cohabitation experience over four to five years to test whether communication skills link living together before marriage with a higher likelihood of divorce after marriage," she said.

Book explores history, reasons why mothers kill their offspring

While the cases of babies, infants and children beaten to death or abandoned in trash cans and alleyways seem to be piling up at an alarming rate, two Penn State Abington researchers said these deadly incidents may not be any more prevalent than they were thousands of years ago.

Lita Linzer Schwartz, distinguished professor emerita of educational psychology, and Natalie K. Isser, professor emerita of history, have written a new book published by CRC Press titled, *Endangered Children: Neonaticide, Infanticide and Filicide*. In the book, the researchers examine historic, cultural, socio-economic and other factors that have played a role in neonaticide, infanticide and filicide around the globe.

"Although we are more aware today of instances of child killing, this crime is not a modern phenomenon," said Schwartz. "Despite universal probatation, neonaticide and infanticide have been practiced on every continent and by people on every level of cultural complexity."

Classical Chinese texts from as early as 2000 B.C., for example, document cases of infanticide and infant abandonment, according to the research.

Neonaticide involves the killing of a child by its parent(s) during the first 24 hours after birth. Infanticide includes the first year after birth, while filicide covers the remainder of the child's life.

The researchers said society needs to take a stronger role to reduce these incidents by making girls and young women more aware of the responsibilities that pregnancy and motherhood entail.

"It is evident that a focus on preventing unwanted pregnancy is needed, especially among teen-agers, although women in their 20s and older also may be in need of appropriate information," said Isser. "Public service announcements on radio and television, around the clock, should make women aware of where they can get help and information. Factual information about the joys and irritants of infant and child development needs to be available to all who interact with children of any age."

The researchers said that mothers who have satisfactory prenatal care are less likely, on the whole, to commit neonaticide or infanticide. They note that the young women who commit these crimes often feel isolated from family or society due to the shame of having a child out of wedlock. Poverty and a lack of education also are factors in many instances.

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Marching to the beat



Joe Conigliaro keeps the beat on his snare drum as members of the woodwind section practice during an early Blue Band practice session on the University Park campus. The band recently held auditions for new members. The first opportunity to see them in action at Beaver Stadium is Saturday, Sept. 2, when the Nittany Lion football team opens its home season against Toledo.

Photo: Greg Grieco

Faculty Technology Initiative projects selected

Five new Faculty Technology Initiative Projects will enhance learning activities for thousands of students this academic year.

The projects were selected by Education Technology Services (ETS) of the Center for Academic Computing (CAC) from proposals submitted to the 2000-2001 Faculty Initiative Program, which encourages effective instruction through innovative teaching and learning.

The selected projects are:

College of the Liberal Arts

■ "The TELL (Technology Enhanced Language Learning) Repository" involving the departments of comparative literature; French; German and Slavic; Spanish, Italian and Portuguese; speech communication; and curriculum and instruction.

Faculty involved are James Lantolf

(Center for Language Acquisition; Spanish, Italian, Portuguese); Steven Thorne (Center for Language Acquisition; speech communication); and Julia Kushner (Center for Language Acquisition; psychology).

■ "Technology Enhancement of Instruction in Two Less Commonly Taught Languages: Arabic 1, 2 and 3, and Swahili 1, 2 and 3" involving courses in Swahili, Arabic and other less-commonly taught languages.

Faculty involved are Thomas Hale (Arabic and Swahili, comparative literature) and Steven Thorne (Center for Language Acquisition).

■ "Basic Spanish Technology Project" involving courses in elementary and intermediate Spanish.

Terry J. Peavler (Department of Spanish, Italian and Portuguese) is the faculty member involved.

Eberly College of Science

■ "Development of Web-Based Technologies for Interactive Learning in the Biology Curriculum" involving various biology courses that span from the introductory to advanced level.

Faculty involved are Sehoya E. Harris, Mitchell D. Price and Sharon P. Shriver.

Penn State Erie

■ "Instructional Development of an Observational Research Tutorial" involving courses in introductory psychology, basic research methods and cognitive development.

Faculty involved are Victoria A. Kazmerski and Dawn G. Blasko.

For details on each of the projects, or to learn more about the Faculty Technology Initiative, check the Web at <http://cac.psu.edu/ets/projects.html>.

Intercom

INFORMING THE PENN STATE COMMUNITY

SEPTEMBER 7, 2000

New library wired for future challenges

By AMY MILGRUB MARSHALL
University Libraries

In 1983, when the Board of Trustees honored Penn State football Coach Joseph V. Paterno for leading the Nittany Lions to their first national football championship, he took advantage of his captive audience to promote a cause close to his heart—Penn State's libraries. He urged the trustees to make Penn State number one in academics as well as athletics, saying, "You can't have a great university without a great library."

Nearly 20 years later, the completion of the Pattee Library renovations and Paterno Library construction has produced a state-of-the-art library facility on the University Park campus, with additional space and an improved technological infrastructure that allow users to access both print and electronic resources more easily.

The new Paterno Library will be officially dedicated in a ceremony from 2 to 3:30 p.m. Friday, Sept. 8, in front of Pattee Library. Joe and Sue Paterno will be among those speaking at the event.

The public may tour the new facilities throughout the dedication weekend. Walking guides will be available at all service desks to assist in self-guided tours and guides will be stationed at various locations in the Libraries from 11:30 a.m. to 1:30 p.m. Friday, Sept. 8. A virtual tour also is available online at <http://www.libraries.psu.edu/tour/>.

Pattee Library and Paterno Library seat approximately 2,000 users and occupy nearly 450,000 square feet, including 139,000 square feet of new space and 250,000 square feet of renovated space. The additional and renovated space allowed the University Libraries to realign collections into eight subject libraries.

The reorganization of materials into more focused areas of service decreases collection sprawl, encourages natural linkages with the colleges and presents better options for interdisciplinary research.

The new complex is truly wired, with more than 150 miles of cable for electronic and phone lines, nearly 2,000 data ports for computer hookups and almost 500 powerful computer workstations.



The new central circulation area is the architectural centerpiece of the Libraries. The area bridges the gap between the historic mall entrance of Pattee Library and the new Curtin Road entrance of Paterno Library.

Photo: Greg Grieco

State of the University Address is tomorrow

President Graham B. Spanier will celebrate the University's many successes in what has been a year of record achievement, outline expanded collaborations and set the stage for the next decade during this year's State of the University Address.

All faculty, staff, students and alumni are urged to attend this important speech, which will be given at 4 p.m. Friday, Sept. 8, in Eisenhower Auditorium on the University Park campus. Before the address, attendees will be treated to Penn State Creamery ice cream, which will be served on the patio in front of Eisenhower Auditorium beginning at 3:15 p.m.

For those unable to attend, the address will be broadcast live via satellite to all campus locations outside of University Park. Information on where to view the address live is available from public information officers at each campus.

Bank executive is Renaissance Man of the Year

The Renaissance Fund will honor Ralph J. Papa of State College, senior vice president and head of community banks for Mellon Bank N.A., at its annual dinner this fall. The dinner, which aims to raise scholarship funds for academically talented Penn State students



who have great financial need, will be held Nov. 16 at the Penn Stater Conference Center Hotel, starting with a 6 p.m. reception.

Renaissance Fund scholarship dinners, honoring prominent community leaders, have been held since 1977. Last year, 431 Penn State students received Renaissance scholarships.

Papa has served on the boards of 26 different nonprofit community

Renaissance, page 3

Libraries

Continued from page 1

Wired seminar and instruction rooms provide opportunities for interactive teaching and learning.

In addition, the new, 134-seat Lawrence G. and Ellen Foster Auditorium has data ports in every chair, plus equipment for digital presentations.

"The new library provides an electronic communications infrastructure that positions Penn State University Libraries at the forefront of adapting networked information technology resources to meet the digital information needs of researchers, students and others well into the 21st century," said Nancy L. Eaton, dean of University Libraries.

In 1993, before digital information became part of everyday vocabulary, Paterno and his wife, Suzanne P. Paterno, led the Campaign for the Library, a "focus campaign" that raised \$13.75 million in private support to build a new library at University Park. More than 3,000 donors contributed to this campaign, including 95 percent of the Libraries' faculty and staff.

Ground was broken for the Paterno Library in April 1997, with the Pattee Library renovations beginning in 1998.

The Paterno family's support of the Libraries dates back to the early 1980s, when they established a book acquisition fund that is now the Libraries' largest endowment. They later established the Paterno Family Librarian for Literature and contributed funds for The Paterno Family Humanities Reading Room, a grand-scale reading room reminiscent of



The card catalog area also is modernized, with computers for information searches.

Photo: Greg Grieco

those in libraries of the past, located in Pattee Library.

In designing the new library and planning the Pattee Library renovations, building architects Celli Flynn and Associates, Architects and Planners of Pittsburgh took advantage of the opportunity to create logical paths of movement within the complex.

"Three major additions and other alterations to Pattee Library over the past 50 years produced room needed for collections and seating, but

eclipsed the logical flow of space," said Thomas C. Celli, one of the architects who worked on the project.

The circulation area, located within easy access of both the historic mall entrance and the new Curtin Road entrance, became the centerpiece of the architects' design.

"From this location, clear paths of movement to Paterno Library and Pattee Library are evident, as is access to The Paterno Family Humanities Reading Room," said Celli.

Paterno Library houses six of the eight subject libraries contained in the new facility: the Maps Library; The Eberly Family Special Collections Library, which includes Historical Collections and Labor Archives, Rare Books and Manuscripts, and the Penn State University Archives; the Social Sciences Library; the William and Joan Schreyer Business Library; the Life Sciences Library; and the Education and Behavioral Sciences Library. Pattee Library houses the Samuel I. and Kate Sidewater Gateway Commons, a fully electronic subject library with staff trained to help students get started on their research; the George and Sherry Midlemas Arts and Humanities Library, which has the largest collection of

eight subject libraries; and Fred Waring's America, an extensive collection of Waring memorabilia previously located in an off-campus building.

Other new features in Pattee Library include MacKinnon's Café, a snack bar near the west entrance; a museum-quality diorama for the "original" Nittany Lion in the entrance lobby; and an exhibit area on the first floor, connected to the circulation area. In addition, The Paterno Family Humanities Reading Room, although furnished to resemble a historic reading room, is equipped for the 21st century with data ports in every reading lamp.

With the completion of Pattee Library and Paterno Library, the University Libraries now have both the physical and virtual presence to serve the needs of the great University that Joe Paterno talked about almost 20 years ago. The integration of traditional library resources and digital information technologies better positions the Libraries to foster the growth of their collections and ensure Penn State's recruitment of top-notch faculty and students.

For more information, check the Web at <http://www.libraries.psu.edu/>, or call (814) 865-0401.



Eunju Kim, a graduate student in speech communication, studies in The Paterno Family Humanities Reading Room. Although furnished to resemble a historic reading room, the area is fully wired and includes a data port in every reading lamp.

Photo: Greg Grieco



"Stacks," a sculpture by Peter Calaboyias, was recently installed at the entrance to the new Paterno Library. It consists of four cast bronze plates, each measuring 9.5 feet high.

Photo: Greg Grieco

Renaissance

Continued from page 1

organizations, such as Centre County United Way, Chamber of Business and Industry of Centre County, the Central Pennsylvania Festival of the Arts, Pennsylvania Centre Stage, Downtown State College Partnership and the Second Mile. He also has been active in groups ranging from the Boy Scouts of America to Pennsylvania Special Olympics.

He joined Mellon Bank after completing his undergraduate education at Penn State Harrisburg in 1969. He held various positions in retail banking, credit policy and sales, and became a vice president and branch manager of the Washington (Pa.) offices in 1983. He came to State College in 1988. Papa also is chairman, president and CEO of Mellon Bank's Central Region, based in State College, and is chairman and CEO of Commonwealth Region, based in Harrisburg.

Papa is a graduate of the Stonier Graduate School of Banking at Rutgers University, and was named an Alumni Fellow at Penn State in 1990.

As a Penn State volunteer, he is a member of the committee that is leading the University's Grand Destiny capital campaign in central Pennsylvania. He also helped to lead the committee that raised more than \$20 million in private funds to build The Bryce Jordan Center on the University Park campus.

Ralph Papa has described his wife, Ruth Anne Papa, and daughter, Jani Papa, as "my partners in support of community efforts." They will be among the speakers at the dinner. Other speakers will include President Graham B. Spanier and family, friends and colleagues of Ralph Papa. Peter Weiner, associate vice president for Development and Alumni Relations will serve as master of ceremonies.

For more information about the dinner, call Robin Rwyer at (814) 863-2052 or e-mail rrw17@psu.edu.



Private Giving

Couple donates \$1 million for engineering funds

A \$1 million gift from Penn State alumnus William E. Leonhard and his wife, Wyllis, will establish two new donor-advised funds in the College of Engineering.

One fund will be named in the couple's honor while the second will honor their son, Richard, a 1966 Penn State aerospace engineering graduate, and his wife, Marion. Both funds will be used at the discretion of the College of Engineering's dean in consultation with a representative of the donor's family.

Dean David Wormley said funds from the gift could support "targets of opportunity" in the college. Possibilities include supporting student educational projects and activities, equipping and maintaining teaching and research laboratories, and curriculum development.

William Leonhard is the retired chair and chief executive officer of the California-based Parsons Corp., where he worked for many years, following a 28-year career in the Air Force and Army Corps of Engineers.

Well-known advocates of engineering



Wyllis and William E. Leonhard

education, the Leonhards have made a significant impact on engineering at the University. They have endowed the Leonhard Center for the Enhancement of Engineering Education, the William Leonhard Chair in Engineering, the William E. Leonhard Professorship in Engineering, and most recently, the William and Wyllis Leonhard Honors Program in Engineering.

In recognition of their generous support and dedication to the welfare of

Penn State, the University's Board of Trustees named the newest engineering building in their honor in November 1993. The Leonhard Building was formally dedicated in October 1999.

In 1982, William Leonhard was elected into the National Academy of Engineering and was named a Penn State Distinguished Alumnus. In 1988, he was honored as a Penn State Alumni Fellow. He earned his B.S. from Penn State in 1936 and an M.S. from MIT, both in electrical engineering.

Wyllis Leonhard has made her family and community her career. This has involved raising their three children, spending thousands of hours volunteering in scouts, PTAs and at the Huntington Memorial Hospital in Pasadena, Calif., and keeping their home intact during the 37 moves they've made during the course of their marriage.

The University invests endowed gifts and uses part of the annual income for the purposes designated by the donors. The remaining income is returned to the principal to protect it from inflation.

Parents and Families Day has something for everyone

Games, tours, open houses, exhibits and a football TV party are among the events planned for Parents and Families Day at University Park. This year's event, held by the Penn State Alumni Association and the Office of Student Affairs, will be Saturday, Sept. 23.

The day's schedule is packed with a variety of things to do to satisfy the interest or curiosity of any member of the family. Parents and students can learn about various academic programs; meet administration, faculty and staff; ask questions at open houses held by several colleges and departments. Opportunities to talk with faculty and

current students regarding career possibilities, internships and international education will be available.

Career Services staff will discuss tips for academic success and how to get the most out of a Penn State education.

In addition, students and their families can attend a planetarium show or art exhibition. Tours of the Breazeale Nuclear Reactor, Old Main Bell Tower, weather observatory and the new campus television studio will be offered.

Special activities include a field trip to the Greenwood Furnace, site of the birth of the iron ore industry; Synergy, a student talent show on Saturday

evening; and a football party for visiting parents and families. The Penn State vs. Ohio State football game will be broadcast in the HUB-Robeson Alumni Hall on Saturday afternoon.

Campus bus tours will depart from the HUB-Robeson Center at 11 a.m. and 12:30 p.m. On Sunday, Sept. 24, the Melissa Haydenreich 5K Moxie-thon race to benefit leukemia research will be held.

Visitors may stop by the Welcome Desk in the main lobby of the HUB-Robeson Center between 9 a.m. and 3 p.m. Sept. 23 to pick up a schedule, map and general information, or check the Web at <http://www.psu.edu/>.

Associate dean sought for research and graduate programs

The School of Information Sciences and Technology invites nominations and applications for the full-time position of associate dean for research and graduate programs.

The associate dean must be a scholar who can assume responsibility for the direction and administration of the graduate programs of the school, all aspects of research grant management and the mentoring of junior faculty in research process. The successful candidate will serve as a member of the school's leadership team and report directly to the dean of the school.

The associate dean will have administrative program responsibility for the graduate programs of the school, faculty research development, graduate student advising and grants administration for the school. The

school offers an undergraduate degree, and is developing three graduate degrees: a doctoral degree, a research master's degree and a professional master's degree in the fields of the information sciences and technology.

The associate dean must provide vision and leadership in a rapidly expanding research environment for the information sciences and related technologies. Candidates should have a distinguished record of research and teaching, suitable for appointment as a full professor in the school (tenured if applicable) as well as experience in academic administration. The ability to coordinate work in a multidisciplinary environment is critical.

Position requirements include an earned doctorate in a discipline relat-

ed to the information sciences and technology, recent academic administrative experience, a track record of funded research, an academic record of scholarly pursuits and an understanding of graduate and professional education in today's marketplace. Salary will be commensurate with experience.

Apply by sending a cover letter, vita and names, telephone numbers and e-mail addresses of three referees to: School of Information Sciences and Technology, 504 Rider Building, 120 S. Burrows St., University Park, Pa. 16801. Attn: Joseph M. Lambert.

Review of applications has begun and will continue until a suitable candidate is found. Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

Education officials discuss factors that drive tuition levels

At a State House of Representatives education committee roundtable discussion in Pittsburgh on Aug. 24, representatives of Penn State, the University of Pittsburgh, Temple University and the State System of Higher Education discussed factors affecting tuition levels at public colleges and universities.

The higher education officials outlined cost pressures and cited the need for Pennsylvania colleges and universities to respond to students' demand for a high-quality education.

At the end of the discussion, state Rep. Ed Krebs (R-Lebanon County), chair of the Commission on Postsecondary Education for the 21st Century, urged the higher education representatives to get their message out.

State Rep. Nick Colafella (D-Beaver County) said, "The Commonwealth needs to step up and do a better job in (funding) higher education. I think that's got to be a better commitment to really focus on higher education and do a much better job."



Lectures

Neurological disorders topic of Sept. 12 life sciences colloquium

Dr. Ronald McKay, chief of the Laboratory of Molecular Biology in the Basic Neuroscience Program of the National Institute of Neurological Disorders and Stroke, National Institutes of Health (NIH), will speak on "From Stem Cells to Synapses in the Brain" in the Life Sciences Consortium's Sept. 12 Colloquium.

The colloquium will be videoconferenced from Lecture Room D at the Hershey Medical Center to 108 Wartik Laboratory, University Park, at 4:15 p.m.

Before his position at NIH, McKay was at MIT, Oxford University and Cold Spring Harbor Laboratory. He received his Ph.D. for work in nucleic acid chem-

istry at the University of Edinburgh. His recent work has focused on the stem cells of the central nervous system.

In a 1988 paper, McKay provided the first clear proof that neuronal precursors could be identified. These studies have generated a series of important insights into the properties of stem cells in the developing and adult nervous system. They challenge the textbook view that the differences between brain regions are irreversibly imprinted on cells.

Stem cell biology is currently a major research area in neuroscience. McKay has consistently brought new methods and concepts to this field.

Mars exploration chief to speak at Erie

Engineer and educator Donna Shirley will discuss her experiences as manager of the Mars Exploration Program at a presentation at 7:30 p.m. Wednesday, Sept. 13, in the Reed Union Building Commons at Penn State Erie. Her presentation is the first in the 2000-2001 "American Dream in the New Millennium" Speaker Series at the campus.

Shirley has an M.S. in aerospace engineering from the University of Southern California, a B.S. in aerospace engineering from the University of

Oklahoma and a B.A. in journalism, also from the University of Oklahoma.

She has 30 years of experience in aerospace and civil systems, including 20 years in management. Shirley served as the manager of the Mars Exploration Program and leader of the team that built the Sojourner Rover, and recently completed her autobiography about the experiences.

All Speaker Series presentations are free to the public. For more information, call (814) 898-6000.

Textual scholar to kick off new series

David C. Greetham, distinguished professor of English and interdisciplinary studies at the City University of New York Graduate School, will give a lecture on electronic textuality at 4 p.m. Thursday, Sept. 14, in the Lawrence G. and Ellen Foster Auditorium in Pattee Library on the University Park campus.

His talk, based on his paper "Gender-bending, Metaling, Talkboxing, Timewarping and Other Electronic Identity Crises," kicks off a new series devoted to issues in electronic textuality

cospresented by the University Libraries and the Department of English.

Greetham is founder of the Society for Textual Scholarship and a former editor of *TEXT: An Interdisciplinary Annual of Textual Studies*. He also is the author of *Textual Scholarship: An Introduction, Textual Transgressions: Essays Toward the Construction of a Bibliography and Theories of the Text*.

The lecture is free to the public. For more information, call Robin Schulze at (814) 865-9932 or e-mail rgs3@psu.edu.

Work/Family Seminar Series begins with talk on policies

The Penn State Work/Family Seminar Series begins Friday, Sept. 22, with a presentation by Susan Eaton on "If You Can Use Them: Work/Family Policies and Work Outcomes." Eaton will speak from noon to 1 p.m. in 102 Weaver Building on the University Park campus, with a brown bag lunch from 11:30 a.m. to noon.

Eaton, assistant professor of public policy, completed her Ph.D. in industrial relations and organization studies at the Sloan School of Management at MIT. Her research interests include work organization and human resource management, healthcare management and quality issues, work-family practices and policy, gender theory and organizational learning.

Eaton worked 12 years as a union organizer, negotiator, trainer and top-level manager for the Service Employees International Union, AFL-CIO and CLC. She is an editor of the *Civic Practices Network*.

The other talk in the series will be led by Ellen Ernst Kossek, professor of human resource management and organizational behavior at Michigan State University's Graduate School of Labor and Industrial Relations.

Kossek will discuss "Caregiving Decisions, Well-Being and Performance: The Effects of Place and Provider as a Function of Dependent Type and Work/Family Climates," from noon to 1 p.m. Friday, Nov. 10, in 102 Weaver Building on the University Park campus, with a brown bag lunch from 11:30 a.m. to noon.

The series is sponsored by the Department of Labor Studies and Industrial Relations, the College of the Liberal Arts and the Department of Human Development and Family Studies.

For more information, check the Web at <http://www.la.psu.edu/lisr/workfam/>, call Robert Drago at (814) 865-0751 or e-mail Drago@psu.edu.

Talk to help guide success of initiatives

Anna Griswold, assistant vice provost, Division of Enrollment Management and Administration, will lead a Quality Advocates' Network discussion on how administrators can help ensure the success of improvement initiatives in their units. The discussion will take place from 8:30 to 10 a.m. Friday, Sept. 15, in 404 Old Main on the University Park campus.

Griswold has served as both a team sponsor and team leader, and sponsors continuous improvement initiatives in the Office of Student Aid. Effective team sponsorship is one of the most critical factors supporting the successful outcome of an improvement initiative.

Team sponsors typically work to initiate the improvement of a process, support the team, implement the team's solutions and recognize the team's accomplishments.

To participate in the Sept. 15 meeting, register by Monday, Sept. 11, by calling the Center for Quality and Planning at (814) 863-8721 or sending e-mail to psucap@psu.edu.

The Quality Advocates' Network is an informal, bi-monthly gathering of those interested in improvement and change, providing an opportunity to exchange information and experiences. To participate via PiTel, call or e-mail the Center for Quality and Planning.

Inaugural Rio Preisner lecture to be Sept. 18

As part of the annual Delta Phi Alpha national German Student Honors Society initiation ceremony, Peter Demetz, Sterling Professor emeritus, Yale University, will deliver the first Rio Preisner Lecture at 4 p.m. Sept. 18 in The Nittany Lion Inn Alumni Fireside Lounge on the University Park campus.

The lecture, which is honoring Rio Preisner, former Fellow of the Institute for the Arts and Humanistic Studies and professor emeritus of German, will focus on "Prague and Its Poets" and is open to the public.

For more information, call Gerhard F. Strasser at (814) 865-5481 or e-mail gfs1@psu.edu.

University institute to be co-host for Asia Pacific conference

Penn State's Institute for Information Policy will join the East-West Center as host for the "Asia Pacific Conference on E-Commerce" this fall. The conference, which will be held in Honolulu at the East-West Center, will run Oct. 30 to Nov. 1.

Electronic commerce, the fastest growing business sector in the world, is widely recognized as a key factor in the national and regional economic growth

of the Asia-Pacific region. Its rapid spread has raised many complex business, legal and policy issues. The conference will bring together prominent representatives from e-commerce, telecommunications and Internet technology industries from Asia, the Pacific Islands and the United States for three days of intensive discussion.

Scheduled presenters include Richard Taylor, co-director of the insti-

tute and Palmer Chair professor of telecommunications studies.

The Institute for Information Policy is dedicated to the potential of information technologies for improving democratic discourse, social responsibility and quality of life. In keeping with its mandate, the institute is committed to investigating the fundamental characteristics of communication and information.

The East-West Center is an internationally recognized education and research organization established by the U.S. Congress to strengthen understanding and relations between the United States and the countries of the Asia Pacific region.

For more information, check the Web at <http://www.EastWestCenter.org/>, call Sherree Groves (808) 944-7384 or e-mail seminars@EastWestCenter.org.



News in Brief

Volunteers needed

The Department of Nutrition needs volunteers for a post-menopausal women's cholesterol study. The purpose of this study is to evaluate how carbohydrates affect insulin function and blood cholesterol. Participants must be between 50 and 65 years of age, a non-smoker, not taking hormone replacement therapy and not have diabetes or high blood pressure.

All food will be provided for two, six-week intervals. Participants will receive monetary compensation. Study groups are starting in mid-September, mid-November and in January 2001.

For information, call (814) 863-3168 and leave a message.

Hort show

Visitors can take a gardening tour around the world without leaving Pennsylvania's borders at Penn State's 87th annual Horticulture Show. The event will be held from 10 a.m. to 5 p.m. Saturday, Sept. 9, and from 9 a.m. to 5 p.m. Sunday, Sept. 10, in the Ag Arena on the University Park campus.

The show, sponsored by the College of Agricultural Sciences' student Horticulture Club, focuses on "Landscapes of the World: Uniting People Through Horticulture." Many of the displays feature themed gardens designed to showcase how different nations approach landscape gardening.

The Horticulture Show also features a farmer's market and an "Ask the Experts" table.

Admission to the show is free.

Race against leukemia

The third annual Melissa Heydenreich 5-K Moxie-thon race against leukemia will be held at 10 a.m. Sunday, Sept. 24, on the University Park campus.

The race, sponsored by the Penn State Alumni Association and the Lion Ambassadors, remembers the courage and determination of Melissa Heydenreich, a Penn State graduate who died of leukemia in 1997. Proceeds from the race will be given to the Leukemia and Lymphoma Society to help fund leukemia research being conducted at Penn State. Since the race was started two years ago, close to 1,000 runners have raised more than \$14,000.

Heydenreich was a 1987 honors graduate of Penn State, where she was a University Scholar and Renaissance Scholar. She also was a Lion Ambassador, the student alumni corps sponsored by the Alumni Association, and remained active serving on the Penn State Liberal Arts Society board of directors and the Centre County Drug and Alcohol Planning Council.

The race begins and ends outside the Intramural Building. For more information or a registration form, call Dorrie Gilman at (814) 863-3752 or Amber Kriep at (814) 863-1520. Runners can pick up and drop off registration forms at 100 Old Main.



Nancy Knol of Harrisburg picked out a large armful of mums at a past Horticulture Show. This year's show also features more than 700 mums for sale, as well as more than 200 woody ornamental shrubs and trees, and from 50 to 100 different varieties of perennials. The plants that are not purchased are used by the Office of Physical Plant in landscape plantings around the University Park campus. For more information, see the story on this page.

Intercom file photo: Greg Griten

Race registration forms and more information also are available online at <http://www.alumni.psu.edu/events/calendar/moxie/thon.htm>.

Service incentive grants

The Commission for Adult Learners invites the submission of proposals for 2000-01 Adult Learner Program/Service Incentive Grants. The grants were established in 1990 to foster creativeness and generate new, improved and innovative programs and services for the recruitment and retention of adult learners.

Staff, faculty and adult student organizations at all Penn State locations are encouraged to submit an application. The Commission for Adult Learners will showcase these programs and services at the planned spring 2001 Hendrick Best Practices Conference.

For more information or an application, call the Center for Adult Learner Services at (814) 863-3887. The deadline for submissions is Tuesday, Oct. 10.

Funding proposals

The deadline for the next funding period for grants offered by the Institute for the Arts and Humanistic Studies is Monday, Oct. 16.

Funds support research, creative and performance projects in and across the arts and humanities. Proposals should be submitted by 5 p.m. to 103 Ilhens Cottage on the University Park campus.

Funding for a variety of projects will be considered and the funding period runs from January through June 2001. Proposals for individual faculty grants, faculty research groups and planned programs will be accepted.

Funding is open to faculty members with professorial rank and a continuing appointment.

For more information, e-mail iahs@psu.edu.

Study participants needed

Researchers at the University Park campus are conducting a study to investigate the effects of exercise on the immune system and the overall well-being of breast cancer patients following chemotherapy treatment.

Women between the ages of 25 and 80 who have been diagnosed with breast cancer and who have undergone or will undergo chemotherapy treatments are currently being recruited for participation. The study involves drawing blood samples and completion of questionnaires at several points during treatment and recovery periods.

All participants receive complete fitness testing after ending their cancer treatment and three and six months later. In addition, some women are enrolled in a personalized fitness program for six months following treatment.

Interested women can call Andrea Mastro, the principal investigator, at (814) 863-0152 or (814) 863-2454, or Nancy Williams at (814) 863-1346.

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters/>.

■ Why Worry — WEL 215

Meets 11 a.m. to noon Tuesday, Sept. 12, in 110 Henderson Building (The Living Center). Cost: Free.

■ A Holistic Approach to Arthritis — WEL163

Session 1 of the holistic lifestyle series. Rheumatoid arthritis and osteoarthritis will be addressed. Meets noon to 1 p.m. Thursday, Sept. 14, in 118 Agricultural Sciences and Industries Building. Cost: \$5.

■ Body Composition — WEL 224

Session 1 of goal setting for exercise and nutrition; HealthAmerica HMO reimbursable. Meets noon to 1 p.m. Wednesday, Sept. 12, in 118 Agricultural Sciences and Industries Building. Cost: \$5.

CELT

The Center for Excellence in Learning and Teaching (CELT) is offering two fall sections of the Course in College Teaching. One section will meet from 9 to 11 a.m. Wednesdays, Sept. 13 to Nov. 15, and the other from 10:15 a.m. to 12:15 p.m. Thursdays, Sept. 14 to Nov. 16.

This noncredit course is open to all instructors who are either currently teaching or taking a short break from the undergraduate classroom. Pre-registration is required. To register, call (814) 863-2599.

For more information, check the Web at <http://www.psu.edu/ce/CELT.html>.

Faculty Multimedia Center

This fall, the Faculty Multimedia Center and the Center for Academic Computing will present Teaching with Technology, a new series that highlights the benefits technology brings to the classroom. The series, open to all Penn State faculty and staff, will feature instructors who are making practical use of technology to enhance teaching and learning.

This fall's presentations will cover a number of diverse topics and will be held from noon to 1 p.m. in 141 Computer Building, University Park. Attendees may bring lunch; beverages will be provided.

To register, check the Web at <http://cac.psu.edu/training/>. After entering a valid user ID and password, select "Technology in the Classroom" under area, and "lecture" under platform.

For more information on the series, go to <http://cac.psu.edu/fmc/tech/> or e-mail fmc@psu.edu.



Arts & Entertainment

Recitals

The following recitals are scheduled on the University Park campus:

■ Ten undergraduate students who study with faculty members in the School of Music will perform in a free jury recognition recital at 8 p.m. Friday, Sept. 8, in the School of Music Recital Hall. The performers are students of Dan Armstrong, Gifford Howorth, Martin Erickson, Marylene Dosse, Steven Smith, Mary Saunders, Susan Boardman, Eleanor Duncan Armstrong, John Daniel, Rick Murrell, Rob Nairn and Lisa Bontrager.

■ Oboist Tim Hurtz, associate professor of music, will present a free faculty recital at 3 p.m. Sunday, Sept. 10, in the School of Music Recital Hall. Joining him will be pianist Elena Panchenko. This recital features the most favorite and frequently performed pieces for the oboe, including works by Cimarosa, Schumann, J. S. Bach, Vaughan Williams, Britten, and Poulenc.

■ June Miller, associate professor of music, will present a free organ recital at 8 p.m. Monday, Sept. 11, in the School of Music Recital Hall. Miller's recital will feature works of J.S. Bach in commemoration of the 250th anniversary of his death.

Bach's Lunch

The Penn State Bassoon Ensemble will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Sept. 14, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The Bassoon Ensemble is directed by Daryl Durran, associate professor of music. The group will present works encompassing a wide range of musical styles scored for four to eight bassoons.

The free, 20-minute concert is sponsored by the College of Arts and Architecture's School of Music and the University Lutheran Parish.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Art on the Move

Paintings by Jaime Ursic are on display in the Ritenour exhibit area (general



Carol Brooks, gallery assistant for the HUB-Robeson Center on the University Park campus, was busy recently hanging the "American Landscapes" exhibit by artist Jim Salem. The exhibit will be on display through Sept. 24.

Photo: Greg Gricio

medicine waiting area) on the University Park campus through Oct. 19. Ursic is completing a BFA in painting and drawing.

Art on the Move is a program of the HUB-Robeson Galleries which exhibits student artwork around the University Park campus. For more information, check the Web at <http://www.usa.psu.edu/galleries/> or call (814) 865-2563.

Red Letter Day at DuBois

Blues/rock duo Red Letter Day will perform a free concert at 7 p.m. Tuesday, Sept. 12, at in the Hillier Building auditorium at Penn State DuBois.

Suzanna Mallow and Andrea Jones, the self-proclaimed "chicks that play

everything," meld their multi-instrumental talents on guitar, mandolin, percussion, sax, bass, and harmonica with prolific songwriting to produce their own unique blues/rock sound.

The duo has appeared with Elton John, the Indigo Girls, Little Feat, Edwin McCain, Dar Williams, Jann Arden and John Wesley Harding at a variety of venues.

For more information about the concert, call (814) 375-4766 or (800) 346-ROAR.

Drama for youth

The School of Theatre announces registration for its fall drama classes for youth and teens to be held at the Pavil-

ion Theatre on the University Park campus.

MetaStages Theatre Centre, an outreach program of the School of Theatre, offers creative drama and performance classes after school and on Saturday for students in different age groups from kindergarten to 12th grade. Students receive performance training from professionals in acting, voice, mime and movement as they rehearse and perform plays from various countries and cultures.

Classes culminate with an afternoon of final performances. Class size is strictly limited. For more information call Joann Leonard, MetaStages director, at (814) 867-8390.

National Science Foundation awards funds to University for course development

The National Science Foundation awarded funding for three new courses proposed by the Department of Materials Science and Engineering. The revolutionary program focuses on integrated education by implementing computational courses on thermodynamics, kinetics and materials design.

The funding of nearly \$370,000 will be used to establish a new computer lab with state-of-the-art software for the courses and to develop new instructional materials. The goal of the program is to inspire students to view the course material as inter-

esting and exciting subjects with great potential for practical applications.

Curriculum designers Zi-Kui Liu, assistant professor of materials science and engineering, Long-Qing Chen, associate professor of materials science and engineering, and Karl Spear, professor of materials science and engineering, will initially teach the courses and later integrate them into the core components of the upper-level undergraduate curriculum.

Elizabeth Kisenwether, instructor in the Depart-

ment of Engineering Design and Graphics, will help develop the design component of the project. The Schreyer Institute for Innovation in Learning assisted in the design of the assessment plans and will consult on the program evaluation during the implementation. The World Campus will study the feasibility of marketing the newly developed courses to industry and other universities.

This project also will provide one fellowship for the Summer Research Opportunities Program at Penn State.



University Park Calendar

September 8 - September 17

SPECIAL EVENTS

Friday, September 8

State of the University Address, President Spanier, 4 p.m., Eisenhower Auditorium.

Saturday, September 9

Penn State Tailgater, The Bryce Jordan Center.

Wednesday, September 13

The University Women's Club, fall reception, 7:30 p.m., Ballroom, The Nittany Lion Inn.

Monday, September 17

Further 2000, featuring The Other Ones and Ziggy Marley and the Melody Makers, 6:30 p.m., The Bryce Jordan Center.

MUSIC

Friday, September 8

Jury recognition recital, B p.m., Recital Hall.

Tim McGraw and Faith Hill, B p.m., The Bryce Jordan Center.

Sunday, September 10

Obit: Tim Hertz with Elena Panchenko, piano, 3 p.m., Recital Hall.

Monday, September 11

June Miller, organ, B p.m., Recital Hall

Thursday, September 14

Bach's Lunch, Penn State Bassoon Ensemble, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, September 8

Diana Cox-Foster on "Insects Versus Insect Pathogens and Parasitoids: New Insights into the Biochemistry and Regulation of the Insect Cellular Immune System," 11:15 a.m., 504 Agricultural Sciences and Industries.

Charles Bierbauer on "Back to Class ...

After All These Years," 11:30 a.m., Ballroom, The Nittany Lion Inn.

Saturday, September 9

Craig Zabel on "The Gilded Age Homes of the Vanderbilts," 9 a.m., The Nittany Lion Inn.

Monday, September 11

Abhay Ashtekar on "Isolated Horizons: A Tool for Extracting Physics From Numerical Simulations," 2:30 p.m., 31B Osmond Laboratory.

Tuesday, September 12

Ardyth Gillespie on "Family and Community Food Decision-Making," 4 p.m., S-209 Henderson.

Dr. Ronald McKay on "From Stem Cells to Synapses in the Brain," videoconference, 4:15 p.m., 108 Wartick Laboratory.

Erin Brockovich, B p.m., Eisenhower Auditorium.

Wednesday, September 13

Hong Ma on "Use of an Inducible System



June Miller, associate professor of music, right, works with Julie Fisher in the Recital Hall of the Music Building on the University Park campus. Fisher, a sophomore in chemical engineering, has been playing the organ for the past four years.

Photos: Greg Grieco

to study Agamous, a Floral Regulatory Gene in Arabidopsis," 12:20 p.m., 10B Tyson.

Thursday, September 14

David C. Greetham on "Genderfolding, Metaling, Talkingback, Timewarping and Other Electronic Identity Crises," 4 p.m., Foster Auditorium, Pattee Library.

Friday, September 15

Anna Griswold on how administrators can help ensure the success of improvement initiatives, 8:30 to 10 a.m., 404 Old Main.

Lee Samuel Finn on a subject to be announced, 11 a.m., 31B Osmond Laboratory.

Stewart Berchoer on "Molecular Evolution in the Rhagotiles Pomonella Species Group: Evidence for Sympatric Speciation?" 11:15 a.m., 11B Agricultural Sciences and Industries.

Joanne Perry on "Viewing the World: Richard Edes Harrison and the Art of Cartography," 4 p.m., 301 Steidle.

EXHIBITS

HUB-Robson Center

"Diverse Unity in Art," through Sept. 15.
"Lego Design," works by Alpha O. Harrison, through Sept. 24.
"American Landscapes," paintings by Jim Salem, through Sept. 24.
"Elli Groninger Woodward: Metal Art," through Oct. 15.
"Heritage of Art and Honor," student artwork, through Oct. 2.
"Indian Sails," through Sept. 29.
"Eritrea-Ethiopia, Prayers for Peace Africa: Myth, Magic and Reality," paintings by Betty LaDuke, Sept. 14 through Oct. 25.

Kern exhibit area

"The New Berlin, Views of the City Before and After the Wall," through Sept. 22.
"The OeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Dec. 7.

"The Prehistory of Penn State," through Oct. 25.

North Halls exhibit area

"Postcards from the Reconstruction,"

paintings by Norman Fetter, through Sept. 15.

Palmer Museum of Art

"Abe Ajay: Constructions and Collages," Special Exhibitions Gallery I and American Works on Paper Gallery, through Sept. 11.
sva2000 Faculty Exhibition, Special Exhibitions Gallery II, through Sept. 17.

Pattee Library

Harold Altman, selected prints, circulation room, through Sept. 18.
"The Evolution of a Great Library — Penn State University Libraries," exhibit area, through Oct. 29.
"Faces of Children," 109 Pattee, through Nov. 1.

Ritterhouse exhibit area

Paintings by Jaime Ursic, through Oct. 19.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

BOOK SHELF

Mark Dyreson, assistant professor of kinesiology, is author of a book.

Making the American Team: Sport, Culture and the Olympic Experiments, published in 1998 by the University of Illinois Press.

The book explores how our single-minded fascination with sports came to be. Dyreson locates the

invasion of sport at the heart of American culture at the turn of the century, when social reformers and political leaders believed that sport could revitalize the "republican experiment," that a new sense of national identity could forge a new sense of community and a healthy political order.

Sridhar Komarneni, professor of clay mineralogy, John C. Parker of Circon Technologies Corp. and Horst Hahn of Darmstadt University of Technology in Germany, are co-editors of a new book. *Nanophase and Nanocomposite Materials III*, published by the Materials Research Society, Warrendale, Pa. The book, which compiles papers

from 23 countries, is the result of a symposium held at the Materials Research Society 1999 fall meeting in Boston. The book consists of nine chapters on various aspects such as synthesis, simulation, characterization and property evaluation of nanophase and nanocomposites of ceramics, metals and semiconductors.

EMPLOYEE BENEFITS

University Health Services adds new refill option

Participants in the Penn State Maintenance Prescription Drug Plan (MPDP) who wish to refill their prescriptions have had the opportunity to place their orders through the pharmacy web site at <http://www.psu.edu/UHS/pharmacy.tml> or by visiting the pharmacy in 103 Rittenour Building on the University Park campus. As part of ongoing quality improvement efforts, University Health Services is adding an additional refill option.

Effective Sept. 11, the pharmacy will implement Dial-Rx, an interactive voice response system that will allow faculty and staff to place requests 24 hours a day. Like systems that currently are used by many commercial pharmacies, Dial-Rx will provide callers with a choice of menu items, one of which is a prescription refill option. While a touch-tone phone is required to use the automated system, individuals with dial phones can be connected to a pharmacy staff assistant during regular business hours.

The Dial-Rx system will ask participants to enter the prescription number using the appropriate numbers on the telephone keypad. The system will repeat the digits entered to verify the selection and will provide the opportunity to correct the number if necessary. Additionally, participants will be asked to verify their last name and telephone number as listed in the pharmacy records. Finally, Dial-Rx will tell the caller at what time the prescription refill will be ready. In the event that no refills were left on the prescription, the system will notify the caller immediately.

MPDP participants are reminded that refills should be ordered when two weeks worth of the prescription remain.

Welcome back!

Summer is over, fall semester has begun. Keep on top of the latest University news through the **Employee Newswire**. It's easy.

Just go to the Web at <http://www.psu.edu/> and click on the link under "Announcements"

to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the

Department of Public Information and includes news for employees.

27 to receive Alumni Fellow Award

The Penn State Alumni Association has announced the recipients of its 2000 Alumni Fellow award, the most prestigious honor conferred by the association. This year, 27 designees will be honored at ceremonies held on campuses throughout the University system beginning this month.

The Alumni Fellow program is a joint Alumni Association-University venture developed to honor outstanding alumni who are leaders in their fields and who have made notable contributions to society and their community. Recipients are invited to return to specific colleges of the University to share their knowledge and expertise with students, faculty and administrators. The Fellows teach classes, lead seminars and meet informally with students and faculty. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

The 2000 award conferees and their nominating colleges are:

- Penn State Abington: Albert L. Lord;
- College of Agricultural Sciences: M. Michael Arjmand;
- Penn State Altoona: Donald Devorris;
- College of Arts and Architecture: John P. Driscoll;

- The Smeal College of Business Administration: Richard H. Bard and J. David Rogers;
- Capital College: Michael Coleman, Schuylkill campus; and George L. Harakal Jr., Harrisburg campus;
- Commonwealth College: Gary Alt, Penn State DuBois; Cynthia Ackron Baldwin, Penn State McKeesport; and David W. Reese, Wilkes Barre;
- College of Communications: Robert J. O'Leary;
- The Dickinson School of Law: Frederick J. Giorgi;
- College of Earth and Mineral Sciences: D. Ray Booker, Rosalyn G. Millman and Gregory J. Yurek;
- College of Education: David W. Leslie;
- College of Engineering: Harold L. Ergott and Herbert C. Graves;
- Penn State Erie: Donald R. Blair;
- College of Health and Human Development: Amy DiGeso and Eileen T. Kennedy;
- College of the Liberal Arts: Arthur J. Nagle and Richard S. Sokolow;
- College of Medicine: J. Frederick Pritchard; and
- The Eberly College of Science: Edward M. Frymoyer and James H. Plonka.

Penn State DuBois names two outstanding alumni

A wildlife biologist who has helped reopen the black bear hunting season in New Jersey and a CEO who provides for the housing needs of thousands of older and disabled residents have received this year's outstanding alumni awards at Penn State DuBois.

Each year, the Penn State DuBois Alumni Society recognizes campus alumni who have demonstrated leadership in their professions and citizenship in their communities.

Paul M. Winkler, president and CEO of Presbyterian SeniorCare, has received the 2000 Outstanding Alumni Award, which is presented to a former campus student who has completed studies within the past 11 to 30 years.

Keley Burgess, a black bear biologist with the New Jersey Division of Fish and Wildlife, has been named the 2000 Outstanding Young Alumni Award winner. This award is given to a former student who has completed studies

within the past 10 years.

The awards are always presented the day before the start of the fall semester so faculty and staff can share in the celebration. It also provides them the opportunity to see, firsthand, how their own hard work has contributed to the success of former students, said Claudia A. Limbert, campus executive officer.

As president and CEO of Presbyterian SeniorCare, Winkler oversees a 10-county regional continuum of nonprofit supportive housing, assisted living, long-term care facilities serving more than 5,000 older and disabled people in southwestern Pennsylvania. The company owns or manages 44 facilities at 34 locations throughout southwestern Pennsylvania.

He has served as the chairman of the Pittsburgh Care Partnership, a nonprofit entity pursuing the establishment of a PACE (Program of All Inclusive

Care for the Elderly) project, and as vice president of Verona House Corp./Corpus Christi Residence, an AIDS care facility.

As a wildlife biologist, Burgess has participated in a number of research projects. He also provided the technical assistance required to gain support for the reopening of the black bear hunting season this fall in New Jersey. The season had been closed in that state since 1971. In addition to collecting and analyzing data, history and photographs, he acted as an adviser to the administration and to the legislative advocate for the hunt.

Burgess is a frequent lecturer at local schools, environmental groups and businesses. He was the wildlife consultant for the book *Back-roads of the Poconos* by Helen G. Brown (1996), and the consultant and photographer for *Pocono Back-roads and Mini Vacations* also by Brown (2000).

Three trees



Yasutomo Jimbow ventured to the Trial Gardens on the University Park campus recently to paint a landscape. The gardens have been a part of Penn State since 1933. Each year, old and new plants are evaluated for color, fragrance, uniformity, uniqueness, weather tolerance and disease and pest resistance. Because the Trial Gardens are an All-American Selections testing site, gardeners who explore the various plantings can discover which plant varieties will do best in their home gardens.

Photo: Greg Grubis



Partings

Professor retires with emeritus rank after 45 years

Philip A. Klein, professor emeritus of economics, has retired after 45 years on the Penn State faculty.

Klein received his Ph.D. in economics from the University of California-Berkeley in 1948. He joined Penn State in 1945 as an instructor, being successively promoted to assistant, then associate and then professor in 1958.

His long-standing research agenda centered on economic stabilization. As research associate at the Center for International Business Cycle Research, Columbia University, and as senior research associate with Economic Cycle Research Institute, New York, he made major contributions to the measurement and dating of national and international cycles. He also was a leader in the revival of the new institutional economics and published several important articles on the subject.

Recognition of his scholarly contributions has come from both his Penn



Philip A. Klein

State and professional colleagues.

His professional career has had a strong international character. He received several Fulbright professorships and visiting appointments.

He also served as a consultant to the United Nations Center for Development Planning Projects; Commission of the European Community, World Bank; Fulbright Commission, where he chaired the Panel on Economics; and the Central Bank of Jordan.

Service on the Faculty Senate has been a distinguishing trait of Klein's career at Penn State. Frequently elected by his liberal arts colleagues, he was a strong voice for faculty rights. He served on several major Senate committees, including the Committee on Faculty Rights and Responsibilities, which he chaired from 1992-1996. He also served several terms on the Faculty Advisory Committee.

Professor emeritus of economics served for 34 years

Thomas G. Fox, professor emeritus of economics, has retired after 34 years of service. Fox earned his M.A. and Ph.D. at Syracuse University. He taught public finance, labor economics, economics of education, and principles. His main research interest was in public finance, which became focused, more recently, on state and local finance issues.

Earlier in his career at Penn State, Fox was selected as Brookings Economy Policy Fellow, a position then sought after by young economists. He served as graduate officer and acting department head. Subsequently, he was appointed academic dean at Penn State Erie during its transition from a two-year system to a four-year college. He returned to University Park in 1980



Thomas G. Fox

to teach. At the same time he served as co-director in planning the first five-year strategic plan for the College of the Liberal Arts.

Fox had an early interest in computer-assisted instruction in economics. By 1982, he had developed materials that included innovative computer simulation models for use in large principles courses. In 1992, Fox won first place in the Zenith Data Systems-sponsored nationwide Masters of Innovation Competition for his software designed for introductory economics courses.

Since 1997, Fox, while still teaching, served as director of Technology Classrooms for Penn State Center for Academic Computing and chaired the Subcommittee on Operations and Technology.

Distinguished professor emeritus joined University in 1980

Craig Bohren retired from the University as distinguished professor emeritus of meteorology on June 30.

Bohren joined the College of Earth and Mineral Sciences in 1980 as an assistant professor after working as a nuclear engineer at General Atomic, a postdoctoral research assistant at the University of Cardiff in Wales and a visiting scholar at the Institute of Atmospheric Physics of the University of Arizona.

He holds four degrees: a B.S. in mechanical engineering from San Jose State University, a master of science in nuclear engineering and master of science and Ph.D. degrees in physics, all from the University of Arizona.

Bohren's background is unusual for a meteorologist, but it prepared him to

pursue his interests in the physics of light and his attempts to understand what is seen in the atmosphere. He has written and lectured extensively on atmospheric physics including optical phenomena as well as electromagnetic radiation, from radio to ultraviolet wavelengths.

He is known for the many articles he wrote on demonstration experiments in atmospheric physics for Weatherwise. In 1989 he was awarded the first Louis J. Battan Author's Award from the American Meteorological Society for his book, *Clouds in a Glass of Beer*.

During his tenure he received the Wilson Outstanding Award for Teaching from the College of Earth and Mineral Sciences. He is a fellow of the Optical Society of America.



Ann H. Rigo

CELT staff assistant served the University for 26 years

Ann H. Rigo, staff assistant VI with the Center for Excellence in Learning and Teaching, has retired from the University after 26 years of service.

Rigo spent the last 19 years with the center, formerly known as the Instructional Development Program, in a variety of staff assistant positions.

She expresses her creativity with the floral arrangement committee at Our Lady of Victory Church in State College and enjoys calligraphy, cross-stitch, crewelwork and interior decorating.

Several announce retirements from longtime University service

Betty L. Badgett, staff assistant V at Penn State Abington, from April 16, 1984, to June 30.

Bonnie L. Baughman, director of operations in Office of the Vice President for Research, from July 1, 1983, to June 30.

Ida M. Butler, nutrition adviser in the College of Agricultural Sciences, from April 1, 1980, to June 30.

Tura W. Eisele, research assistant in the College of Agricultural Sciences, from July 1, 1985, to June 30.

Alice J. Jones, staff assistant V in the Division of Outreach and Cooperative Extension, from Feb. 2, 1981, to June 30.

Terry L. Fetterolf, stockroom clerk, stock selector in Business Services, from Sept. 16, 1974, to April 1.

Martha C. Miller, nutrition education adviser in the College of Agricultural Sciences, from Feb. 15, 1982, to July 1.

Berton E. Reese, supervisor of grants and contracts in

the Corporate Controller's Office, from Aug. 12, 1968, to May 1.

Frank A. Rocco, assistant athletic director in Intercollegiate Athletics, from Aug. 16, 1982, to July 1.

Leslie L. Shaw, senior customer service representative in the Office of Physical Plant, from Dec. 8, 1980, to June 30.

Anne C. Stine, library assistant I in University Libraries, from Nov. 1, 1977, to June 30.

Sandra L. Stoner, staff assistant III in the College of Medicine, The Hershey Medical Center, from Feb. 11, 1985, to June 30.

Floriabelle C. Thomas, staff assistant VI in the College of Engineering, from March 1, 1982, to June 30.

Catherine M. Whitton, staff assistant VI in Housing and Food Services, from April 1, 1980, to June 30.

Vera M. Williams, staff assistant V in the College of Agricultural Sciences, from Feb. 19, 1979, to June 30.

Associate professor at Harrisburg to maintain contact with students

William K. Augst, associate professor of engineering at Penn State Harrisburg, has retired from the University after 32 years.

A licensed professional engineer in Pennsylvania, Augst received his B.S. degree from Bucknell in 1961 and his M.S. from Lehigh University in 1964. Both degrees are in mechanical engineering.

Before joining Penn State in 1967, Augst taught at Harrisburg Area Community College for two years.

During his tenure, Augst sponsored "Sundial," the sculpture at the center of campus on the Vartan Plaza, which was dedicated to his son William T. Augst, who died in 1984.

Augst has two daughters, Elizabeth Patterson and Anita McLean, and five grandchildren, and is planning to spend more time with them during his retirement. He also hopes to improve his golf game and maintain his consulting practice as well. Augst, who said the reward of teaching for 32 years came from interaction with his students, plans to maintain contact with students.



Penn Staters

Barbara Bird, assistant professor of communications, won one of three Awards of Distinction in a juried screening at the University Film and Video Association's annual conference in Colorado Springs, Colo., for her digital video piece, "Self-taught."

Kim Cook, associate professor of music, performed a solo recital at London's Wigmore Hall. She also collaborated with pianist **Carl Blake** for the performance. This was the first time a Penn State faculty member has performed a solo recital in Wigmore Hall.

Anthony R. D'Aguelli, professor of human development in the Department of Human Development and Family Studies, was given the Distinguished Scientific Contribution Award by the Society for the Study of Lesbian, Gay and Bisexual Issues of the American Psychological Association. The award recognized his research on the development of lesbian, gay and bisexual people, and on the impact of prejudice and discrimination on the lives of lesbian, gay and bisexual youth.

Elizabeth Hanley, associate professor of kinesiology, was a lecturer at the Hellenic Olympic Committee's 40th International Session for Young Participants of the International Olympic Academy, Ancient Olympia, Greece. Hanley discussed "artistic" sports at the Olympic Games and the problems surrounding them. She also addressed the question of admitting ballroom dancing into future Olympic Games.

Howard Lin, assistant professor of marketing at Penn State Great Valley, presented a paper, "Managing Conflicts in International Joint Ventures between Chinese and Partners from Other Asian Countries," at the Managing Global Business in the Internet Age International conference in Beijing.

Jorge Pullin, professor of physics, presented three lectures on "Canonical Quantum Gravity" at the Meeting on Fundamental Interactions at the Center-West in Pirenópolis, Brazil.

Jacqueline Simons, 4-H youth program aide for Penn State Cooperative Extension in Philadelphia County, and **Julie Fabis-Swartz**, Philadelphia County Cooperative Extension director, were chairpersons for 10 members of the Philadelphia chapter of 4-H who served as the color guard for the opening session of the 2000 Republican National Convention held in Philadelphia.

Thomas Smialek, associate professor of music and integrative arts at Penn State Hazleton, presented "Performance practices of early 20th-century concert saxophonists in the United States" at the 12th World Saxophone Congress in Montreal, Canada. Smialek's presentation featured phonograph recordings of saxophonists active in professional wind bands in the vaudeville, Chautauqua and yecum circuits; and in cabarets in the United States from 1900-1930.

Penn State's Quality and Manufacturing Management (QMM) Program was recently

recognized by the Computer and Automated Systems Association of the Society of Manufacturing Engineers when it was named the winner of the 2000 University LEAD Award. LEAD is an acronym for Leadership and Excellence in the Application and Development of integrated manufacturing. The award recognizes extraordinary efforts in meeting the world's critical need for manufacturing leadership education programs. The QMM program is co-directed by **Gerald I. Susman**, Robert and Judith Klein professor of management in The Smeal College of Business Administration, and **Clayton O. Ruud**, professor of industrial engineering in the College of Engineering.

Simon Tarr, assistant professor of communications, won one of three Awards of Distinction in a juried screening at the University Film and Video Association's annual conference in Colorado Springs for his short film, "The Cold Sun." He also was named guest editor of the Fall 2001 issue of *The Journal of Film and Video*.

Keith P. Thompson, professor of music education, gave the keynote address, "Repertoire of General Music in the Public Schools of the U.S.," for the International Music Education Conference at Pingtung Teacher's College in Pingtung City, Taiwan. In Seoul, South Korea, he gave the lecture "Current Issues and Trends in Music Education in the U.S." at Ewha Women's University. In addition, he spoke in Australia on "Current Practices in Assessing Music Learning in Public Schools in the U.S." to instrumental music teachers through the Western Australia Chapter of the Society for Music Education.

Paul Weiss, associate professor of chemistry has been selected to serve a two-year term as a member of the U.S. National Committee for the International Union of Pure and Applied Chemistry. The committee acts as the formal representative of the U.S. chemical community to the International Union of Pure and Applied Chemistry, providing advice and input on behalf of U.S. scientists.

Four members of the University's Cooperative Extension staff were among those selected nationwide to receive awards at the 2000 annual meeting of the National Association of County Agricultural Agents in Jackson, Miss. **Delbert Voigt**, Lebanon County Extension agent, and **Don Fretts**, Fayette Extension agent, were honored with the Achievement Award. **Gregory Solt**, Northampton County Extension agent, and **James C. Cowden**, Warren County Extension agent, received the Distinguished Service Award.

The International Biographical Centre of Cambridge, England, has included **Vladimir M. Zatsiorsky**, professor of kinesiology and director of the Biomechanics Lab, in the first edition of its publication *2000 Outstanding Writers of the 20th Century*. Zatsiorsky authored and co-authored 11 books that are published in English, Russian, German, Italian, Spanish, Portuguese, Chinese, Japanese, Polish, Rumanian, Czech, Serbo-Croatian and Bulgarian.

APPOINTMENT

College of Medicine welcomes department chair

Dr. David A. Lee has been appointed chair of the Department of Ophthalmology and professor of ophthalmology in the College of Medicine at Hershey.

Lee comes to Hershey from the UCLA School of Medicine, where he was chief of the Glaucoma Division and director of glaucoma research, Department of Ophthalmology, and professor of ophthalmology at the Jules Stein Eye Institute.

During his tenure at UCLA, Lee was director of the UCLA Mobile Eye Clinic, a free service for patients unable to afford care.

In the field of glaucoma research, Lee's focus has been on the process of wound healing following glaucoma surgery and understanding the basic cellular mechanisms associated with intraocular pressure and the manner in which it affects the action of anti-glaucoma medications.

Lee received his medical degree from Boston University School of Medicine in 1980. While completing an internship and residency in ophthalmology at the Mayo Clinic from 1980 to 1984, Lee concurrently finished a master of science degree in biophysics and biometry at the University of Minnesota Graduate School. He continued his training with a clinical and research fellowship in glaucoma at the Massachusetts Eye and Ear Infirmary, Howe Laboratory of Ophthalmology, Harvard Medical School from 1984-86. Lee graduated from the Executive MBA Program at the University of California, Los Angeles, in 1993.

Lee has been named to a number of honor societies, has earned numerous honors and awards and holds fellowship status in several professional societies.

Dinner time at the barns



Jim Harper, right, and **Adam Steele**, employees in Farm Services, load bales of hay onto a conveyor belt at the horse barns on the University Park campus. According to Ward Studebaker, horse farm manager, the University uses about 75 to 100 tons of hay each year to feed between 30 and 50 horses. The horses are used by students for several courses in the horse unit in the College of Agricultural Sciences.

Photo: Greg Grieco



Focus on Research

Government regulation could bring temps out of workplace limbo

By PAUL A. BLAUM
Public Information

The fast-growing industry of temporary help services has helped to meet changing labor demands, but has also created second-class work conditions for many temporary employees, a researcher said.

"The employment picture for temporary workers is widening rapidly while the core of permanent skilled workers is shrinking, a paradox within a booming economy," said Jackie Krasas Rogers, assistant professor of labor studies and industrial relations with affiliations in sociology and women's studies.

"It may require more intervention or even regulation by the government, either at the state or federal level, to ensure fair and equitable working conditions for this group which spans many occupations, from secretaries to lawyers," she said. "The most obvious is the lack of benefits, but other issues exist which codify a workforce caste system for temporary workers, especially among women and people of color."

Government regulation, in her view, could help secure not only benefits but also a humane work environment for many temporary workers who find themselves in workplace limbo.

Government regulation, on both the state and federal level, could ameliorate the plight of the temp by prohibiting pay differentials based solely on temporary status; provide workers with an independent avenue of recourse for unjust treatment; limiting the use of "permanent temporaries" reducing discriminatory practices in placement; giving agencies better recourse for dealing with unethical clients; and coordinating employment benefits under multiple temp agency use, according to Rogers.

Temp workers also could benefit from regulation facilitating the unionization of temporary workers and preventing the use of temporary workers in union busting, she said.

Rogers is author of *Temps: The Many Faces Of The Changing Work-place*, recently published by Cornell University Press. She conducted interviews with 35 temporary clerical workers and temporary agency managers in Los Angeles and Pennsylvania, as well as a second group of 15 temporary attorneys. She also drew on her own experience as a temporary clerical employee in Los Angeles in 1993-94.

"The temporary help services industry and its client businesses



Jackie Krasas Rogers, assistant professor of labor studies and industrial relations, has written a book from her research into the changing workplace.

Photo: Greg Girona

claim they are responding to a shortage of qualified workers, which they blame on the educational system and even the women's movement. In reality, it is the temp agencies and their clients, more than changes in the labor force, which are driving increases in temporary employment," said Rogers.

Most temp work is not worker-friendly, since the flexibility of the temp usually means accepting the inflexibility of the agencies and clients.

"Because temps do not have traditional work arrangements, they are not seen as having a 'real job' — full-time, year-round and ongoing," Rogers said.

As a result, temporary clerical workers are likely to be assigned the least desirable, most monotonous work in the office. Even when they do the same job as a permanent employee, they receive less money and fewer benefits.

In practice, temporary employment negates many labor laws. For example, temps who are sexually harassed are at greater risk of retaliation if they file a complaint, and they have few, if any, collective bargaining rights.

"In the United States, health and other benefits are largely tied to employment," Rogers said. "Uncoupling work benefits from employment, although an unpopular solution, would help the marginally employed by providing them with benefits and partially reducing employer incentives to create marginal and temporary jobs."

Workers, organized labor, commu-

nity groups and even academic workers have formed coalitions to fight for equity in contingent jobs. The National Alliance for Fair Employment, for instance, is attempting to raise awareness, organize workers and provide valuable information on issues surrounding contingent work, said Rogers.

"In some cases, contingent workers have set up their own nonprofit hiring agencies," she said. "With this system, fees normally paid to commercial temporary service companies are shared by the temporary workers in the form of health benefits, paid vacation days and unemployment compensation. This new three-party arrangement significantly adjusts power relations in favor of workers."

Problems between temporary workers and clients could be resolved more judiciously, with the worker having the agency's support. With the profit motive removed for the temporary agency, clients have less influence in employment matters. Temporary workers could be guaranteed due process and de facto protection under the law.

"An economy with fewer temporary jobs and more permanent jobs gives potential temporary workers greater latitude in their job search and a greater ability to assert their rights should they find themselves working temporarily. Under such circumstances, temporary jobs could be truly temporary," Rogers said.

Poor health in childhood, adulthood diseases linked

Regardless of socioeconomic status, people with a childhood history of ill health are more prone to certain diseases in adulthood, especially cancer, lung disease, cardiovascular conditions, arthritis and rheumatism, according to a researcher.

"Our findings show that people with childhood health problems were twice as likely to develop cancer or chronic lung disease by late middle age," said Mark D. Hayward, director of Penn State's Population Research Institute.

He stressed the data's policy implications, noting that health-care programs for children could offer considerable benefits for adult health care.

For the full story, check the Web at <http://www.psu.edu/ur/2000/childillness.html>.

Churches fail to teach civic skills to lower class

American churches, which mirror the country's societal and economic divisions, have largely failed to give lower-income people, including minorities, opportunities to master civic skills necessary for participation in the democratic process, a researcher said.

Church members who participate in and help lead activities, can become proficient organizers, leaders, public speakers and writers. This can spill over into political participation.

"Many social analysts view churches as the last bastions of civil skill education for the lower classes and minorities. The churches, unfortunately, are not meeting their potential as social equalizers," said Philip M. Schwadel, doctoral student in sociology.

For the full story, check the Web at <http://www.psu.edu/ur/2000/churchcivicskills.html>.

Tracking in middle schools works against poorer children

A researcher has found that curriculum tracking in U.S. middle schools, particularly in math, tends to work against poorer, minority and non-English-speaking students.

"Two principal factors conspire against the poorer middle school students, albeit unintentionally," said Dr. Gerald K. LeTendre, associate professor of education. "One seems to be the attitude of 'don't worry now — everything will work out' projected by the schools themselves."

The second is the complexity of the choices offered to students, which makes decision-making tough on students and parents alike. This applies especially to low income families lacking an ethic of education, social networks and skills at dealing with information overload.

For the full story, check the Web at <http://www.psu.edu/ur/2000/schooltracking.html>.



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In the news



Sitting in the weight-training room at Rec Hall on the University Park campus, NBC Nightly News reporter Roger O'Neil, right, recently interviewed Charles Yesalis, professor of health policy administration and exercise and sport science, about the use of performance-enhancing drugs by competitive athletes, particularly Olympians, for two upcoming news stories. The stories are tentatively scheduled to air Sept. 11 and 18 on NBC Nightly News as the network kicks off its coverage of the 2000 Summer Olympics in Sydney, Australia.

Photo: Greg Grieco

Professor's Web site plays major role in curbing sexual harassment

When Nancy Wyatt developed a Web site five years ago to provide up-to-date information about sexual harassment for a communications course she was teaching, she figured it would be useful for students on her campus.

Never in her wildest dreams did Wyatt, an associate professor of speech communication and women's studies at Penn State Delaware County who labels herself a feminist, think her Web site would attain the international popularity that it has. As an example, the site recorded 7,998 visits from people in 43 countries between July 16 and Aug. 13. It ranks among the most-frequently used sexual harassment sites on the Internet, according to several search engines, and is part of The Citadel military college's sexual harassment tutorial.

"The more people who use it, the happier I am," Wyatt said. "Many workplaces and schools have no education or training programs about sexual harassment, in spite of the legal requirement to do so."

As attention to her Web site has increased, so has Wyatt's effort to help

people deal with issues of sexual harassment. The professor personally answers every inquiry sent to her — either offering her knowledge in the area, or referring the person to someone else who can help.

Correspondence from people who really need help keeps Wyatt actively updating the site, which earns her no pay and is not a part of her research interests at Penn State. She doesn't claim to be an expert on the issue, but Wyatt knows the basics and keeps current with legal and theoretical developments.

Wyatt believes that, generally speaking, sexual harassment is not the result of a desire for intimate contact.

"It's about power — that's my personal opinion. It's not about sex," she said. "It usually happens because someone thinks that women don't belong in the workplace, at a university, or wherever."

Wyatt thinks that many times, harassers don't know their behavior is offensive.

"When appropriate, I encourage people to tell the offender that what they

did was offensive," she said. "You have to give them the opportunity to say they didn't mean to offend you and that they are sorry and will cease the inappropriate behavior. If that's enough, then that's the end of it. If not, you have to take formal action."

The face of sexual harassment is changing rapidly, said Wyatt, as the legal system continues to show less tolerance toward same-sex offenders and offenders in venues that traditionally may have been ignored, and scholars develop theoretical perspectives from which to understand and deal with harassment. For that reason, Web sites such as Wyatt's that frequently update content are in demand.

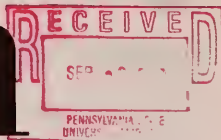
And that could link Wyatt to her Web site for a long time.

"My Web site is important because it gives people information about harassment from a variety of perspectives and in a form that's easy to use," said Wyatt. "If I took it down, then I would be taking away an important service for people all over the world."

Wyatt's site can be accessed at <http://www.de.psu.edu/harass/intro.htm>.



Intercom



INFORMING THE PENN STATE COMMUNITY

SEPTEMBER 14, 2000

Spanier challenges University community, outlines progress during annual address

BY ALAN JANESCH
Public Information

In his sixth State of the University Address, President Graham B. Spanier on Sept. 8 characterized 2000 as a year of record achievement and challenged the University community to work together to build on Penn State's many positives.

Spanier made three major announcements during his address. First, he reported that Penn State's research expenditures last year were \$440 million, "a record-high level for the

University, and a dramatic increase of about \$47 million over last year." Second, he talked about Penn State's endowment growth.

And third, Spanier announced expanded ties between the University Park campus and The Milton S. Eshelman Medical Center through the University's Life Sciences Consortium, as well as an expanded affiliation between The Hershey Medical Center and Centre County Hospital in State College.

After highlighting many of this year's accomplishments at Penn State, Spanier asked his audience to help him build on the University's many positive qualities. His goal is a "nurturing environment for discovery and learning that is free of the negative forces that are endemic to universities and that potentially alienate our students, their families, our alumni and the public."

Spanier said that higher education's "ingrained tendencies toward contradiction and challenge, so fundamental to the advancement of scholarship," can sometimes cultivate an adversarial narrow-mindedness that contradicts other important goals.

"Universities are the land of 'we' and 'they,'" Spanier said. "Much of what I do as president is trying to foster the 'we,'



President Graham B. Spanier had several positive announcements to make during his annual State of the University Address on Sept. 8.

Photo: Greg Gresco

Endowment reaches \$1 billion

Penn State senior Zarna Dalal can focus on her studies this fall with less worry about how she'll meet college expenses, thanks to the Alvin and Jean Snowiss Scholarship that she's just been awarded. The scholarship is one of about 2,300 privately endowed scholarship funds that benefit nearly 10,000 Penn State students.

Even more students are likely to benefit in the future, because the University's total endowment has just surpassed the \$1 billion mark, according to President Graham B. Spanier.

Penn State's endowed funds totaled \$1,003 billion as of June 30, Spanier said in his annual State of the University message Sept. 8. The figure represents a 27 percent increase from fiscal 1999, when the endowment totaled \$724.9 million.

"This deserves to be seen as a key milestone in our University's history," Spanier said. "The remarkable growth has resulted from a solid year in both the investment return of our endowment and in new fund-raising."

As for Zarna Dalal, an endowed scholarship means that she can focus more on her studies and upcoming career and less on how she will pay for it.

"The Snowiss Scholarship helps to reduce the heavy burden of a college education," said the Lock Haven native. "Because of the scholarship, I'm less concerned about finding other sources of funds, and I can refocus my time and effort toward activities that can better prepare me for my career."

Endowment, page 2

University seeks \$361 million in appropriations

Penn State is seeking a 4.25 percent base state appropriation increase for the 2001-2002 academic year. In addition, the University is asking for a \$16 million increase for special appropriations to support the College of Medicine, the School of Information Sciences and Technology, and environmental compliance.

The Board of Trustees on Sept. 8 approved the request for the \$29.34 million increase over the 2000-2001 state appropriation.

"Penn State is the institution of choice for the plurality of the Commonwealth's most talented students, and a major contributor to workforce development," according to a report on the state appropriation request. "Penn State is the principal engine of research and technology transfer in Pennsylvania and the major source of university outreach. One in every two Pennsylvania households has someone participating in Penn State programs."

President Graham B. Spanier explained that it is the University's practice to bring the appropriation request before the board for review and approval before sending it on to the Department of Education for consideration by the Legislature. Last

Appropriations, page 5

Deans endorse University policy on academic integrity

BY ALAN JANESCH
Public Information

Penn State's new policy on academic integrity has been strongly endorsed by Penn State's Council of Academic Deans (CADS).

A statement from CADS, presented publicly earlier this month by John A. Dutton, dean of the College of Earth and Mineral Sciences and chair of CADS, said the deans "strongly support efforts to enhance academic integrity at Penn State. We will

Integrity, page 4



State of the University Address

Spanier

Continued from page 1

whereas many of the meetings for which my presence is requested is focused on the "they." It is often the dividing lines that cause people to leave a university or discourage them from coming: the theorists vs. the experimentalists, the qualitative vs. the quantitative, the analytical vs. the continental, cultural studies vs. literary scholarship. ... We and they. We and they."

Fortunately, Spanier said, Penn State has much less of this sort of this "we/they" opposition than other universities. He urged the University community to continue to address the challenge of being "the top university in America" in integrating teaching, research, and service.

"Because we already are acknowledged as one of the most efficient, respected and well-managed universities in America," Spanier said, "this goal will be realized only through continued faculty commitment and excellence, exceptional leadership and careful management."

It also takes adequate funding, Spanier acknowledged. While many see higher education as a commodity — "a credential, a boarding ticket to prosperity" — Penn State needs to focus on a high-end quality education, Spanier said.

While groups and individuals outside higher education may focus on issues like tuition levels, higher education needs to focus on issues like the quality and competitiveness of its programs, the research and teaching skills of its faculty, and its impact on the quality of life, Spanier said.

"Instead of asking how Penn State and others can continue to do more with less, we should be asking how we could do a lot more with a little more. Or, dare I suggest that the question should be: How could you change the world with a lot more?"

Colleges and universities need to take the long view and to make sure they do more than just meet a short-term need in the workforce, Spanier said. They need to offer an interplay of missions and disciplines enhanced by advances in technology.

"I'm talking about the kind of intellectual resources that give rise to invention and discovery, enhance understanding of culture, address social needs, promote human development and contribute to progress for businesses and communities."

Throughout his speech, Spanier cited many recent Penn State accomplishments, including:

- The largest number of student applications ever — more than 78,000, an increase of about 5,000 over last year.
- Record high applications to the Schreyer Hon-



A good crowd turned out for the ice cream social that preceded President Graham B. Spanier's State of the University Address. Attendees had a choice of flavors of complimentary Creamery ice cream on the patio outside Eisenhower Auditorium on the University Park campus before entering the building for the president's address.

Photo: Greg Grieco

ors College, 13 percent higher than the previous year.

- A 36 percent increase in applications to the Dickinson School of Law.
- An "intentionally modest" increase in enrolled students at Penn State, most of it in upper-division students at commonwealth locations.
- A sharp increase in minority student admissions this fall — increasing every year for more than a decade.
- A record number of Fulbright awards to faculty and students.
- "Phenomenal" progress in the University's new School of Information Sciences and Technology. More than 1,000 students are enrolled this fall in only the school's second year, at 19 University locations.
- Nearly 3,000 enrollments at the World Campus, after only its second full year. A "virtual university" that uses the Internet and other technology to reach students, the World Campus now offers 155 courses in 18 certificate and degree programs.
- The largest building program in Penn State's

history, which encompasses \$700 million over five years.

- Another record-setting fund-raising year, the ninth in a row. Private giving this year totaled \$171 million, an increase of 13 percent over the previous year.

Penn State is "in the enviable position of moving forward at a time when higher learning is among the resources most in demand by society," Spanier said. "Our University is viewed widely as a model of excellence and engagement."

Spanier ended his address with a few words for students, urging them to get involved in University activities and to take academic and social responsibility.

"We are constantly looking for ways to improve a Penn State education, and we welcome suggestions from students," Spanier said. "By working together and for the glory, we can preserve the best of the University's traditions, meet the challenges of the present and realize Penn State's promise for the future."

For the full text of Spanier's address, check the Web at <http://www.psu.edu/ur/GSpanier/sou/son2000.html>.

Endowment

Continued from page 1

She continued, "My expenses will increase when I study abroad in Costa Rica next spring, but my scholarship provides a big boost to cover my additional expenses."

Increasing the endowment is a top priority for Penn State's Grand Destiny campaign, which aims to raise a billion dollars in private gifts for endowed and non-endowed programs over a seven-year period beginning July 1, 1996.

The other primary source for endowment growth is investment

income. The University invests endowed gifts in perpetuity and uses part of the income to support the programs designated by the donors. Remaining income is returned to the principal to ensure its further growth and protect it from inflation. Penn State's endowment does not include state appropriations or other public funds.

Sean P. Franti, a sophomore from Moon Township who is working toward a bachelor's degree in Information Sciences and Technology

(IST), recently received an endowed PNC Technologies Scholarship.

"The PNC scholarship has helped my financial situation a great deal," said Franti. "It enabled me to not take out any loans this year, so when I graduate I won't have to pay back as much. It also really helped reinforce my choice of IST, because it made me feel more comfortable with what I was doing."

Penn State also has about 200 endowed faculty chairs, professorships and fellowships. Such endow-

ments are traditionally one of the hallmarks of a great university and are important tools in recruiting and retaining the best available teachers and researchers. Income from a faculty endowment typically supports such activities as teaching innovations, research, stipends for graduate students, equipment acquisitions and may provide a salary supplement.

Endowments also support a variety of programs, such as acquisition funds for the University Libraries and the Palmer Museum of Art.



State of the University Address

College of Medicine to extend presence to Centre County

The University will extend its College of Medicine to Centre County, with a strong satellite presence for education and research programs on the University Park campus, as well as an academic and clinical presence at Centre Community Hospital, according to President Graham B. Spanier.

The College of Medicine, which first opened its doors in Hershey in 1967, has always had research ties with faculty and students at the University Park campus, but the new initiative will significantly boost those collaborative opportunities in a broad variety of ways, Spanier said.

"We will offer expanded educational opportunities for College of Medicine students at University Park, including opportunities for undergraduate medical education and additional joint M.D./Ph.D. programs," he said. "We will expand research ties between Hershey and University Park through the Life Sciences Consortium, facilitated by newly deployed telecommunications technology, and through our initiatives in materials science, environmental studies, and children, youth and families."

The new initiative "will expand opportunities for patients to participate in clinical research studies of new drugs at Hershey and at other affiliated sites, including Centre County."

Spanier made the announcement as part of his annual State of the University Address delivered Sept. 8 in Eisenhower Auditorium on the University Park campus and telecast to the institution's other campuses around the Commonwealth.

Spanier announced an expanded relationship with Centre Community Hospital that will allow for much closer ties in the sharing of clinical expertise, academic appointments, continuing medical education, training of medical students and residents, and joint research.

"We are very pleased to work more closely with Penn State and the College of Medicine toward improving patient care for our region. Our patients will benefit from this expanded relationship in many

For more information

Web sites related to this story include:

- Penn State's College of Medicine:
<http://www.colmed.psu.edu/>;
- Centre Community Hospital:
<http://www.cch1.org/>;
- Penn State's Life Sciences Consortium:
<http://www.lsc.psu.edu/>; and
- Penn State's School of Nursing:
<http://www.hhdev.psu.edu/nurs/nurs.htm>.

ways, including access to more clinical trials and research," said Lance H. Rose, president and CEO of Centre Community Hospital.

"We also will be cooperating with Centre County physicians and with Centre Community Hospital with the goal of establishing a cancer center funded by the National Cancer Institute," Spanier said. "It is our hope that this could lead to a new facility associated with Centre Community Hospital."

"National Cancer Institute designation for our Cancer Center will give regional residents the ability to participate in clinical trials of the latest cancer therapies and medications close to home. The creation of the institute and the potential addition of a new facility will have an enormous impact on the treatment of cancer patients in this part of our state," said Rose. "These overall changes, and in particular the collaboration between Penn State and Centre Community Hospital, will further enhance the quality of health care available to residents of Centre County and the surrounding region."

In addition, Spanier announced establishment of an affiliation agreement to support College of Medicine missions between Centre Medical and Surgical Associates and the Milton S. Hershey Medical Center.

"Centre Medical and Surgical Associates, based in State College, is one of Pennsylvania's premier

physician groups," Spanier said. "A strong relationship with them will be a great benefit to our students and faculty."

"We are looking forward to expanding our relationships with the College of Medicine," said Jonathan Dranon, president of Centre Medical and Surgical Associates. "University medical centers have a great deal to offer a community, particularly when the resources and services can be provided in the community. That requires a close working relationship between physicians at both ends. The new initiatives being discussed are exciting for us, and in my mind, will dramatically expand the resources for an already strong medical community and expand the opportunities for even more sophisticated care close to home for residents of Centre County."

Spanier also announced the addition of a third Life Lion medical helicopter to the two already in service at the University's medical campus in Hershey. The new Life Lion helicopter, now being outfitted with state-of-the-art lifesaving equipment, will be based at University Park Airport and will serve Centre County and the surrounding region.

"Whether it is providing our Life Lion helicopter to transport critically ill patients, expanding our ties to Centre Community Hospital and its outstanding physicians or bringing more of our students to the University Park campus, we see stronger relationships between Penn State's College of Medicine and Hershey Medical Center and our partners in University Park and the Centre County community as win-win for all of us," said Darrell Kirch, senior vice president for health affairs, dean of the College of Medicine and Chief Executive Officer of The Milton S. Hershey Medical Center.

"There are incredibly exciting possibilities for all of us in education, research and patient care," Kirch said.

Centre Community Hospital, which will celebrate its 100th birthday in two years, is located on land donated by Penn State.

Sponsored research expenditures expected to reach new high

By BARBARA HALE
Public Information

President Graham B. Spanier revealed preliminary figures during his State of the University Address Sept. 8 indicating a projected 12 percent increase in fiscal year 2000 expenditures for research and creative activity funded by federal and Commonwealth agencies, private industry, foundations and other external and internal support.

"Research expenditures last year were approximately \$440 million, a record high level for the University, and a dramatic increase of about \$47 million over the previous year," Spanier said. "This is one of the highest single-year increases in the history of American higher education."

Eva J. Pell, vice president for research and dean of The Graduate School, said, "The most recent report from the National Science Foundation shows that since 1986, only seven



"Penn State will join an elite group including Stanford, Johns Hopkins, Michigan, Illinois, UCLA, UC-Berkeley and Florida."

institutions have ever exceeded a \$47 million increase in a single year. Penn State will join an elite group including Stanford, Johns Hopkins, Michigan, Illinois, UCLA, UC-Berkeley and Florida."

Research expenditures are an important indicator of the volume of research and creative activity undertaken by faculty, staff and students. These expenditures also indicate the exceptional ability of Penn State

researchers to compete in the arena of ideas. If Penn State researchers' ideas did not compete successfully, the support would go to other investigators.

Robert Killoren, assistant vice president for research and director of sponsored programs, said preliminary figures show high percentage increases in expenditures on grants and contracts from a variety of sources.

According to a study released in

1998 by the American Association for the Advancement of Science, Pennsylvania is a national leader in attracting federal research and development funding, ranking ninth among the 50 states.

More than half of the federal research funds coming into Pennsylvania go to industrial firms but almost one third is brought in by the Commonwealth's colleges and universities — with Penn State among the leaders.

In the fiscal 1998 rankings compiled by the National Science Foundation, the most recent ranking available, Penn State was first among Pennsylvania universities, ninth among public universities and 13th in the country in total research expenditures. The National Science Foundation report on fiscal 1999 data will be available in December.

For more information, check the Web at <http://www.psu.edu/ur/2000/8sept00expend.html>.

Integrity

Continued from page 1

provide individual and collective leadership to strengthen further the University's commitment to the highest standards of academic integrity."

"Academic integrity is a fundamental value at Penn State," said Dutton said at a Sept. 1 luncheon meeting of deans, administrators, University Faculty Senate leaders, faculty, staff and students. "It must be at the heart of all our endeavors and must guide our actions every day."

The policy more clearly defines what cheating is in an era where students now routinely work in groups and use the Internet to gather and share information. It also gives the faculty in each of the University's academic colleges a major role in dealing with academic dishonesty and spells out more clearly the penalties for cheating. It also encourages students to work collaboratively with faculty to create an environment that more strongly supports academic honesty.

The new policy became effective this semester. John Cahir, vice provost and dean for undergraduate education, described the luncheon meeting as the "public launching" of an effort that began about two years ago.

The theme of the Sept. 1 meeting was "raised expectations and a raised awareness" of academic integrity issues and policies, Cahir said. The major role assigned to the colleges by the new policy reflects the University's belief that the pursuit of academic integrity is largely a "teaching function," Cahir said.

Executive vice president and provost Rodney Erickson said it is extremely important that Penn State take a strong stand on academic integrity.

"Universities are places that must be built on a firm foundation of academic integrity," he said.

The new policy was developed by a joint committee consisting of faculty, administrators and staff, and adopted in March by the Faculty Senate (*Intercom*, March 13). The joint committee was chaired by Cara-Lynne Schengrund, the new chair of the Faculty Senate.

Students support the policy, too.

"I think it's great," said Lynn Hendrickson, an undergraduate student majoring in health policy/administration, who represented the students' views and provided input into the policy. "I think it really spells things out."

Hendrickson said the new policy clearly defines what academic dishonesty is and what the penalties are. The previous policy said only, "You're not supposed to cheat, and if you do, you're in trouble," she said.

Under the new policy, academic sanctions (e.g., grades) related to cheating are handled in the colleges, and judicial sanctions (e.g., disciplinary actions such as termination from the University) are handled by the University's Office of Judicial Affairs. Appropriate safeguards for due

Academic Integrity at Penn State

A statement by the Council of Academic Deans

The following statement has been endorsed by President Graham B. Spanier, John A. Dutton, chair of the Council of Academic Deans (CADS), and the following members of CADS:

Cheryl Achterberg, Douglas A. Anderson, John J. Cahir, William G. Cale Jr., Raymond T. Coward, Richard W. Durst, Nancy L. Eaton, Rodney A. Erickson, Frederick H. Galge, Peter G. Glenn, Madlyn L. Hanes, Darrell G. Kirch, Daniel J. Larson, John L. Leathers, John M. Lilley, Beverly Lindsay, David H. Monk, Judy D. Ollan, Eva J. Pell, John J. Romano, James H. Ryan, Karen Wiley Sandler, Robert Secker, Robert D. Steele, James B. Thomas, Susan Welch and David N. Wornley.

The statement follows:

Academic integrity mandates the pursuit of teaching, learning, research and creative activity in an open, honest and responsible manner. An academic community that values integrity promotes the highest levels of personal honesty, respect for the rights, property and dignity of others, and fosters an environment in which students and scholars can enjoy the fruits of their efforts.

Academic integrity includes a commitment neither to engage in acts of falsification, misrepresentation or deception, nor to tolerate such acts by other members of the community. Academic integrity is a fundamental value at Penn State. It must be at the heart of all our endeavors and must guide our actions every day as students and as members of the faculty, administration and staff. Because we expect new and continuing members of the University community to meet the high standards that are the foundation of a Penn State education, this message must be clear and reinforced frequently.

The primary responsibility for supporting and promoting academic integrity lies with the faculty and administration, but students must be active participants. A climate of integrity is created and sustained through ongoing conversations about honesty, trust, fairness, respect and responsibility and the embodiment of these values in the life of the University. Students and faculty should contribute actively to fostering a climate of academic integrity in all their scholarly activities, through discussions in first-year seminars and in other courses, and through involvement in college Academic Integrity Committees. The University community should be continually mindful of the need to preserve academic integrity even as technology changes methods of information access and use.

Colleges will provide all faculty members and teaching assistants information about appropriate ways to promote academic integrity and handle dishonesty cases. Faculty members and graduate assistants must make clear their expectations about academic integrity in every course they teach.

As members of the Council of Academic Deans, we strongly support efforts to enhance academic integrity at Penn State. We will provide individual and collective leadership to strengthen further the University's commitment to the highest standards of academic integrity.

process and review have been incorporated into the policy. For the first time, records of infractions by students will be kept centrally by Judicial Affairs.

After the Senate adopted the policy in March, the individual colleges worked over the summer to develop college-specific guidelines in harmony with the overall policy. Jeremy Cohen, associate vice provost and professor of communications, said the colleges needed to develop their own guidelines, because an academically honest environment may be substantially different in a literature class, or in a

chemistry lab, or in an online study group.

The issue also is complicated by the increasing tendency of students to work in groups, both in and outside of the classroom, and to share information for group presentations.

"More and more, we find students working together, so we'd better make sure the (academic integrity) standards are clear," Cohen said.

"What doesn't work is one hard and fast rule," he added. "What works is an expectation of integrity that recognizes the norms and practices of each discipline and of the University community."

PARTINGS

Several employees retire following long careers

Elizabeth J. Barto, staff assistant VI in Student Affairs, from July 22, 1980, to Aug. 1.

Violet C. Byron, financial aid coordinator at Penn State Worthington Scranton, from May 17, 1976, to Aug. 1.

Roger L. Cartright, group leader, addressing services in Business Services, from March 31, 1970, to May 20.

Linda C. Greene, laboratory supervisor in the College of Medicine, The Hershey Medical Center, from Aug. 30, 1982, to Aug. 1.

Diane M. Hoover, photographic reproduction processor in Business Services, from April 1, 1977, to July 29.

Betty J. Justham, library assistant I at Penn State New Kensington, from July 1, 1985, to Aug. 1.

Marilyn M. Kemp, staff assistant V in University Libraries, from Aug. 15, 1983, to Aug. 19.

Edith M. Kennedy, residence hall utility worker in Housing and Foods, Division of Auxiliary and Business Services, from April 6, 1983, to Aug. 19.

James A. Rhodes, director of trusts, estates and endowments in the Division of Development and Alumni Relations, from July 1, 1961, to June 30.

Janet E. Roberts, staff assistant VII in the Eberly College of Science, from July 29, 1985, to Aug. 1.

Sarah M. Scharadin, assistant director of alumni relations at Penn State Dickinson School of Law, from Feb. 1, 1980, to Aug. 2.

Dorothy W. Sealar, staff assistant VI at Penn State Erie, from Sept. 25, 1984, to Aug. 19.

Elizabeth A. Stover, staff assistant VI in the College of Agricultural Sciences, from Jan. 1, 1972, to Aug. 1.

Linda L. Zellers, staff assistant VI in the Eberly College of Science, from June 11, 1973, to June 1.

Emeritus rank

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Joan M. Hocking, associate professor emerita of English at Penn State Mont Alto, from Sept. 1, 1973, to June 30.

Richard Hogg, professor emeritus of mineral processing and geo-environmental engineering in the College of Earth and Mineral Sciences, from Sept. 1, 1969, to June 30.

Stanley P. Pennypacker, professor emeritus of plant pathology in the College of Agricultural Sciences, from July 1, 1968, to July 8.

FROM THE TRUSTEE DOCKET



This artist's rendering shows a view of the chemistry and life sciences buildings with a connecting bridge, as seen from the intersection of Pollock and Shortlidge roads. Shortlidge Road is shown as a pedestrians-first roadway.

Board approves capital budget request

The board of trustees on Sept. 8 authorized the University to request \$100.06 million for capital budget projects from the state legislature for the fiscal year 2001-2002. This includes a total of \$89.1 million for construction projects and \$10.96 million for original equipment.

The Capital Budget Request is an integral component of Penn State's capital planning process and consists of projects for which Penn State is seeking funding from the Commonwealth.

For the full story, go to <http://www.psu.edu/ur/2000/8sept00bdtg.html>.

Student and alumni career services a priority

In 1999, 26,533 students participated in more than 400 career outreach programs and seminars at the University — a 6 percent increase in participation over the previous year.

The board of trustees on Sept. 7 heard an update on Penn State's Career Services from Jack Rayman, director of career services and affiliate professor of counseling psychology and education. Deborah Marron, director of alumni career services, and Monica Shutte, graduate student and student representative on the Career Center Building Committee, also spoke.

For the full story, go to <http://www.psu.edu/ur/2000/7sept00career.html>.

Dean outlines progress, challenges at the Libraries

With information technology becoming an increasingly important component of teaching and scholarship, the University's libraries have made major improvements over the past 10 years to be able to operate in the high-speed environment of networked information.

Nancy L. Eaton, dean of University Libraries, told the board of trustees on Sept. 7 that the upgrades at the

libraries provide state-of-the-art library services, including the delivery of electronic information.

For the full story, go to <http://www.psu.edu/ur/2000/7sept00econ.html>.

Dickinson School of Law benefits from affiliation

The Dickinson School of Law of The Pennsylvania State University continues to reap the benefits of its affiliation with Penn State while embracing the challenges of providing a high-quality legal education in an increasingly technology-driven environment, law school dean Peter G. Glenn told the board of trustees on Sept. 7.

For the full story, go to <http://www.psu.edu/ur/2000/7sept00glenn.html>.

Board OKs creation of investment council

In response to an increasing asset base and the complexity of modern investment strategies, the board of trustees on Sept. 8 approved a resolution creating a Penn State Investment Council to provide direct oversight of the University's growing endowment and long-term investment program.

The council replaces both the existing investment committee and external advisory council.

For more on this story, go to <http://www.psu.edu/ur/2000/8sept00invest.html>.

Plans for life sciences, chemistry buildings approved

Sketch/preliminary plans for a new chemistry building and a proposed life sciences building, both off Shortlidge Road on the University Park campus, were approved Sept. 8 by the board of trustees. The unique design includes a physical link between the two structures, at upper-floor levels, to facilitate collaborative research activities in the two buildings.

For more on this story, go to <http://www.psu.edu/ur/2000/8sept00btopp.html>.

Appropriations

Continued from page 1

year's state appropriation was \$331.95 million.

The requested increase will be used primarily to support basic operating costs. Special emphases are improving faculty and staff salaries, meeting escalating health care costs and providing support for facilities improvements and deferred maintenance — \$13.8 million has been requested for these costs.

"The competitiveness of Penn State's faculty salaries is a serious concern," said Spanier. "Penn State faculty salaries have continued to slip when compared to the Big Ten public institutions and to regional peer institutions."

The budget plan includes a 3.5 percent increase in the salary pool, a 1 percent pool for special merit, market and equity from the President's Excellence Fund and an additional 1 percent pool to be funded from tuition revenues.

The cost of employee benefits also is

slated to increase by 12.5 percent. In addition to the general increase in the cost of health care benefits, there has been a steady increase in the number of employees who are choosing TIAA/CREF for their retirement plan. While it has varied over the years, currently the cost of this plan is higher than the state plan.

The third area of emphasis in the basic operating budget is funding for critical needs in three areas: the maintenance and operation of new or newly renovated facilities; deferred maintenance — the University has a backlog of major maintenance projects estimated to be more than \$192 million; and the ongoing capital improvement program. The next fiscal year will be the third year of a six-year capital improvement program to meet the University's facilities needs.

In other expense changes, Spanier said the University will continue its program of internal budget reductions that is part of the strategic planning process. This is the 10th consecutive year for internal budget reductions, resulting in a total of 12 percent recycling of departmental operating budgets.

Spanier also outlined a number of other changes:

- \$2 million for library resources and student computing and telecommunications needs to be provided by a proposed \$15 per semester increase in the student information technology fee;

- \$3 million for high-priority program needs including for four strategic academic initiatives — the life sciences, materials science, environmental studies, and children, youth and families — and other high-priority, college and support unit programs;

- \$180,000 for student activities, to be funded by a \$1 per semester increase in the student activities fee to cover inflation. These funds will be allocated to the campuses that generate the funds.

Penn State also is requesting special support for three areas of critical importance to the University and the Commonwealth — the College of Medicine, information sciences and technology and environmental compliance.

The University is requesting a \$10 million increase in the base allocation for the College of Medicine for year to ensure its viability. The college is the only non-urban academic health center in Pennsylvania and it produces the largest number of practicing primary-care physicians in the Commonwealth. Historically, the College of Medicine has received a much smaller share of its operating budget from Commonwealth appropriations than have similar institutions in other states, relying instead, on clinical revenues to support the college.

"However," said Spanier, "because of changes in health care nationally, no

"... no College of Medicine can be supported solely on clinical revenues — including ours."

Graham B. Spanier

College of Medicine can be supported solely on clinical revenues — including ours." Information sciences and technology is the second area of special need and the University is requesting an additional \$4 million to be added to the base operating support. This fall, more than 1,200 students are enrolled in the new School of Information Science and Technology, "far exceeding our expectations," Spanier said.

"We already have begun to find many ways to partner with business, industry and government through the IST Solutions Institute that is up and running and the eGovernment Research Education Center that is being planned."

Funds will be used to support hiring faculty, the development and delivery of IST courses on the Web, and partnering with Pennsylvania businesses, state government and nonprofit organizations.

The University's environmental compliance is the third area for special funding, and is budgeted at \$2 million. These funds will help the University comply with federal and state environmental regulations, focusing on improving air and water quality, enhancing hazardous materials management and for the remediation of contaminated lands owned by the University. The University expects to make a similar request in 2002-2003.

"We know that all the changes I have described today cannot be supported entirely by an increase in the state appropriation," Spanier said. "This means that we also will be asking for increases in the rate of tuition to support these much-needed improvements."

The basic tuition increase for 2001-2002 is proposed to be 4.75 percent, with an addition of 1 percent to be used to support the capital improvement program and a 1 percent increase to support the faculty salary initiative.



Lectures

Evolutionary biology topic of Sept. 21-22 Marker Lectures

Professor Simon Conway Morris, from the Department of Earth Sciences at Cambridge University, U.K., will present the 2000 Marker Lectures in Evolutionary Biology Sept. 21-22 on the University Park campus.

The series of three free public lectures is sponsored by the Department of Biology and the Eberly College of Science.

The lecture series, "The Crucible of Creation," includes a lecture intended for a general scientific audience, "The Cambrian Explosion: New Insights from the Burgess Shale," at 8 p.m. Thursday, Sept. 21, in 111 Forum Building.

Conway Morris also will give two specialized lectures in the HUB auditorium on Friday, Sept. 22. The 9:30 a.m. lecture is "Evolution Bound: The Ubiquity of Convergence." At 2 p.m., Conway Morris will present a lecture on "The Non-prevalence of Humanoids: Darwin Meets the Extra-terrestrials."

Morris' main research interest is the

early evolution of animals, based on studies of the Burgess Shale in Canada and also Cambrian deposits in China and North Greenland. Related work, looking at the early history of skeletal fossils, has taken him to Mongolia, China and Australia. He has wide interests in evolution, and is involved in various ways with topics in astrobiology and the SETI Institute.

The Marker Lectures were established in 1984 through a gift from the late Russell Marker, professor emeritus of organic chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill. The Marker endowment allows the Penn State Eberly College of Science to present annual Marker Lectures in astronomy and astrophysics, the chemical sciences, evolutionary biology, genetic engineering, the mathematical sciences and the physical sciences.

Chemical engineering seminars planned

A number of chemical engineering seminars have been planned for fall semester. All seminars will be held at 10 a.m. in 140 Fenske Lab on the University Park campus. Host for the series is Janna Maranas, assistant professor of engineering in the Department of Chemical Engineering.

The schedule follows:

■ Sept. 19: "Structure and Properties of a Nanocomposite PMMA Bone Cement," Anuj Bellare, Harvard Medical School.

■ Oct. 3: "Multiple Field NMR Studies of Polymer Dynamics in Melts and Blends: Comparison with MD Simulations," Mark Ediger, University of Wisconsin.

■ Oct. 17: "Water-Gas Shift and other Energy-Relevant Redox Reactions

on Ceria-Based Catalysts," Maria Flytzani-Stephanopoulos, Tufts University.

■ Oct. 24: "Structure, Phase Separation and Slow Dynamics in Polymer-Colloid Suspensions," Kenneth Schweizer, University of Illinois.

■ Oct. 31: "Formation of Gels from Liquids and Biopolymers, from Teclites to Proteins," Austen Angell, Arizona State University.

■ Nov. 7: "Microkinetic Descriptions of Heterogeneous Catalytic Processes," Robert Weber, Arthur D. Little Inc.

■ Nov. 28: "Glasses, the Third Law of Thermodynamics and the Kauzmann Paradox," Frank Stillinger, Lucent Technologies.

■ Dec. 5: "Nanoparticle Assembly: Applications to Protein Crystallization," Charles Zukoski, University of Illinois.

All potential proposal writers for the upcoming funding cycles (summer 2001 and academic year 2001-2002) should attend one of these sessions.

Last year EOFC made major revisions to the proposal submission process, and further refinements to the process will be explained this year. Proposal writers who thoroughly understand the process have the best chance of submitting competitive proposals. All Penn State faculty or staff who might benefit from the workshops should attend.

For more information about these workshops, call Mike Blanco at (814) 863-7890 or e-mail mb44@psu.edu. For more information about EOFC, check the Web at <http://www.lions.psu.edu/eofc/>.



Charles Bierbauer addressed a full house during the first Penn State Forum of the academic year, held at The Nittany Lion Inn on the University Park campus. The next speaker in the series is Alecia Sway. For more information, see the story below.

Photo: Greg Grieco

"Corporate Stupidity" topic of next Forum

Reporter, author and Penn State alumna Alecia Sway is the next guest speaker for the Penn State Forum lecture at noon Friday, Sept. 29, at the Penn State Conference Center Hotel on the University Park campus. The topic of her presentation is "Corporate Stupidity."

She graduated from Penn State in 1985 with a degree in journalism and was editor of *The Daily Collegian*. Her journalism career began as a reporter for the *Lexington Herald Leader*, where she covered Toyota's first U.S. auto plant. In 1998, she moved to the *Wall Street Journal*, where she covered Procter & Gamble. Today, Sway is assistant managing editor at the *St. Petersburg Times* and is author of *Soap Opera: The Inside Story*



Alecia Sway

of Procter & Gamble and *Changing Focus: Kodak and the Battle to Save a Great American Company*, both published by Random House.

The Penn State Faculty Staff Club Forum is a luncheon speaker series partially sponsored by the Penn State Bookstore and is open to the public. Tickets are \$11 and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center.

Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon. For more information call (814) 865-7590.

Writing workshop schedule announced

The Equal Opportunity Planning Committee (EOPC) has announced the schedule for its annual proposal writing workshops:

■ Sept. 22: Penn State Berks, Penn State Room, 1:30-3 p.m.

■ Sept. 28: Penn State Beaver, room 16 in the Student Learning Center, 1:30-3 p.m.

■ Oct. 6: Penn State University Park, 129A HUB-Robeson Center, 1:30-3 p.m.

EOPC supports funding initiatives that seek to enhance Penn State's diversity goals as outlined in *A Framework to Foster Diversity at Penn State, 1998-2003*.

For more information on the document, check the Web at <http://www.lions.psu.edu/diversity/framework/>.

Horn workshop set for Sept. 17

On Sunday, Sept. 17, the School of Music Recital Hall on the University Park campus will house the daylong 2000 Regional Horn Workshop. This workshop is geared toward college, high school and middle school horn students, professionals and amateur hornists.

The Workshop will feature Francis Orval, internationally renowned horn soloist and recording artist and professor of horn at the Musikhochschule in Trossingen, Germany. Orval has 20 years experience as principal horn with

major orchestras in Belgium and Luxembourg. He also has made numerous recordings on horn and natural horn.

Workshop events include a Penn State Honors Recital at 1 p.m.; a recital by Orval at 4 p.m.; and a performance by the Mass Horn Choir and High School Honors Ensemble at 7 p.m.

Pre-registration fees are \$10 and \$15 at the door. Tickets to the Orval recital only are \$4 and are available at the door before the performance.

For registration forms, call (814) 865-3221.



More Lectures

Conference aimed at helping gay and lesbian students to be held at Penn State DuBois

Local educators and mental health professionals may attend a conference on "Protecting Students, Protecting Schools: Issues and Concerns of Gay Students," Tuesday, Oct. 10, at Penn State DuBois.

The conference will offer strategies and resources to help professionals become more aware of the specific needs of gay, lesbian, bisexual and transgendered (GLBT) students so schools may become more welcoming and understanding places.

Students who are identified as gay, lesbian, bisexual or transgendered routinely face demeaning and insulting experiences at school, according to conference organizers, who add that GLBT

students who are not recognized as such by their peers and teachers also face problems.

The conference will be held from 8 a.m.-4:15 p.m. in the Hiller Building on the Penn State DuBois campus. The registration fee is \$30 per person, \$15 per student, and includes a continental breakfast and a catered buffet lunch.

For more information and a registration form, call Jack or Karen Kressley at (814) 371-8962.

A copy of the conference brochure and a registration form will soon be available on the PFLAG DuBois Web site at <http://www.angelfire.com/pa3/dubois/pflag/index.html>.

Three advising lunches scheduled

This fall the Division of Undergraduate Studies will hold three brown-bag lunches on a variety of topics related to academic advising. All faculty and staff may attend these lunches, which will be held from noon to 1 p.m. on the University Park campus.

The following topics will be discussed:

- "Helping Students Make the Most of Learning Resources," presented by Ann McLaren, director, University Learning Center, Monday, Sept. 25, in the Health and Human Development Living Center, Henderson Building;

- "Things Every Adviser Should Know about UFOs (Undergraduate Fel-

lowship Opportunities)," presented by Mary Gage, director, Undergraduate Fellowship Office, Monday, Oct. 23, in 118 Agricultural Sciences and Industries Building; and

- "Assessing Academic Advising," presented by James Levin, senior DUS programs coordinator, Eberly College of Science and director, Eberly College of Science Academic Advising Center; and Eric White, executive director, DUS, Wednesday, Nov. 1, in 118 Agricultural Sciences and Industries Building.

For more information, call Laura Brown at (814) 865-7576 or e-mail lsb7@psu.edu.

Lecture, exhibit mark German unification

Werner Schmidt, press officer at the German Consulate General in New York, will present a lecture on "Ten Years of German Unification: A Work in Progress" at 4 p.m. Sept. 28 in 102 Kern Building on the University Park campus.

The lecture will coincide with the opening of an exhibit on "Germany — Divided and Reunited" on display in Kern Art Gallery. The exhibit features some 20 panels highlighting memorable events in German history between 1949 and 1999.

Schmidt was a political science student in Berlin during the crucial years before the 1989-90 merger of East and West Germany. He holds a Ph.D. from the Free University of Berlin, was a Fulbright Scholar at the New School for Social Research in New York and served as editor at the News Center of the German Government's Press and Information Office in Bonn.

The lecture and subsequent discussion are free to the public. For more information, call Gerhard F. Strasser at (814) 865-5481 or e-mail gfs1@psu.edu.

Fall Colloquium set at Penn State Fayette

Penn State Fayette has announced its 2000-01 Fall Colloquium Series schedule. Refreshments begin at noon and all programs take place at 12:30 p.m. in the lecture hall of the Biomedical Technology Building.

The schedule follows:

- Sept. 28: Jim Ostrow and Co. will present "Reflections of Teaching Project: Focus on the Course Plan."

- Oct. 19: Prem Sattang will present "An In-House Developed CD-ROM and its use in Instruction."

- Nov. 2: Jim Ostrow and Co. will present "Reflections on Teaching Project: Focus on the Classroom Environment."

- Nov. 16: Dave Snyder will present "Teaching Marketing Utilizing the High-Tech Classroom."

- Nov. 30: Frank Provenzano will present "Can Honor Exist in a Post Modern World, and Why we should be Worried about the Answer."

For more information call Melanie Thomas at (724) 430-4199.

Slip-sliding away



Elizabeth Frieden and her mom, Tracy, skate at the Penn State Ice Pavilion in the Greenberg Indoor Sports Complex on the University Park campus. For this month's public skating session schedule at the rink, check the Web at http://www.psu.edu/dept/ice_pavilion/tfr/public/September.htm.

Photo: Greg Glesco

Altoona launches semester-long exploration of Barbie's strong role in American culture

The Barbie doll: She's been a part of American culture since her debut at the Annual Toy Fair in New York in 1959 and has been a favorite among young girls throughout the decades. But Barbie's long-standing popularity also raises issues about body image, popular culture and other issues related to women's health.

Throughout the fall semester, Penn State Altoona will explore Barbie's influence on topics related to women's and girls' physical and mental health, including eating disorders, depression and body image.

This semester-long event — known as Barbie 2000 — also will examine the influence of popular culture on art, literature and society. Through exhibits, interactive theater productions, health screenings, book displays, panel discussions and other events, students, faculty and staff at Penn State Altoona will explore the

issues that relate to Barbie from many angles.

"The idea is to have a semester-long discussion of the various issues raised by Barbie and by her long-standing popularity," said Dinty W. Moore, professor of English and co-coordinator of Penn State Altoona's new integrative arts degree. "We welcome critical comments and supportive comments. We will be having some fun, but also looking at some serious issues."

Barbie 2000 is an academic investigation of Barbie's iconic role in American culture and disturbing questions occasionally will be raised about women's physical and psychological health, gender roles and gender expectations. It is important to note for parents that many of the presentations and discussions will not be suitable for children.

For more information about the series, call (814) 949-5105.



Arts & Entertainment

Recitals

Daryl Durran, associate professor of music, will present a free recital of music for bassoon at 8 p.m. Monday, Sept. 18, in the School of Music Recital Hall on the University Park campus. Performing with Durran will be music faculty members Susan Boardman, soprano; June Miller, harpsichord; Rob Nairn, double bass; and Kathy Cinatl, piano. Stacey Poorman, Kevin Lucey, and Aaron Datsko, members of the Penn State bassoon studio, also will assist Durran.

Footloose

Kicking off the new season, the Center for the Performing Arts opens with an explosion of song and dance in the hit Broadway musical *Footloose* at 7:30 p.m. Tuesday, Sept. 19, in Eisenhower Auditorium on the University Park campus.

Prices are \$35 and \$25 for general admission; \$30 and \$22 for students; \$20 and \$12 for Penn State students; and \$25 and \$19 for age 12 and younger.

For tickets or more information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849.

Tamburiza Orchestra

The music and song of Eastern Europe will come alive at 7:30 p.m. Tuesday, Sept. 19, in the Community Arts Center at Penn State Altoona, as the college hosts the Jerry Greivich Tamburiza Orchestra.

Presenting music and song primarily from the Croatian, Hungarian, Romanian and Gypsy cultures, the band attains the original art form and sustains the lifeblood and earthy atmosphere of Eastern Europe with songs in several European languages and instruments.

Penn State Altoona's Cultural and Performing Arts series is free to the public. Tickets can be picked up at the Penn State Altoona Bookstore or at the door on the night of the event. For more information call (814) 949-5064.

Bach's Lunch

Saxophobia, a saxophone quartet, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Sept. 21, in the Helen Eakin Eisenhower Chapel on the University Park campus.

Members of the quartet are Dan Yoder, professor of music; Ben Kim, doctoral student in acoustics; and Tom Snyder and Tim Powell, undergraduate music education saxophone majors.

The free, 20-minute concert is sponsored by the College of Arts and Architecture's School of Music and the University Lutheran Parish. After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.



Further 2000, featuring The Other Ones and Ziggy Marley and the Melody Makers will be at The Bryce Jordan Center at 6:30 p.m. Sept. 17. Tickets are \$31 and \$26.50. For information, call (800) 863-3336 or (814) 865-5555 or check the Web at <http://www.bjc.psu.edu/>.

Three acts coming to Jordan Center

Three performances have recently been announced for The Bryce Jordan Center on the University Park campus. They are, in order of appearance:

Barney

Barney's Musical Castle will make its first appearance at The Bryce Jordan Center at 7 p.m. Friday, Oct. 10, and Wednesday, Oct. 11. Tickets are \$26.50, \$18.50, \$13.50 and \$11 for reserved seating. Infants under age 1 are free on a parent's lap.

Luv's Diapers is offering a \$2 discount on Oct. 10 on all seats except the \$26.50 tickets. Present an original UPC symbol from any Luv's diaper product to receive the discount. (One ticket per UPC label.)

National Children's Alliance, a national nonprofit organization whose mission is to improve the community's response to child abuse, will benefit from tour proceeds.

Dixie Chicks

The Dixie Chicks will appear with special guest Willie Nelson at The Bryce Jordan Center at 8 p.m. Friday, Oct. 13. Tickets are \$58.50, \$49 and \$31.50 for

Fayette cultural series

Penn State Fayette has a number of events scheduled for its 2000 Cultural Series.

The schedule follows:

■ Sept. 21, 7:30 p.m., Williams Auditorium: Richard Kastle returns to

BRUCE JORDAN CENTER

reserved seating, and go on sale at 8 a.m. Saturday, Sept. 16.

Wristbands will be available from 8 a.m. to 6 p.m. Friday, Sept. 15, and from 6 to 7 a.m. Saturday, Sept. 16, for ticket buyers wishing to purchase tickets at the Bryce Jordan Ticket Center.

N'Sync

N'Sync will appear at The Bryce Jordan Center at 7:30 p.m. Sunday, Nov. 5. Tickets are \$49.75 and \$39.75 for reserved seating and go on sale at 1 p.m. Saturday, Sept. 16.

Wristbands will be available from 8 a.m. to 6 p.m. Friday, Sept. 15, and from 6 a.m. to noon Saturday, Sept. 16, for ticket buyers wishing to purchase tickets at the Bryce Jordan Ticket Center.

Tickets are available at the Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555 and online at <http://www.bjc.psu.edu/>.

the campus. Kastle has recorded for Virgin Classics and his debut CD "Streetwise" was the top selling classical release on the label. To date, he has composed four total symphonies and seven piano concertos, as well as numerous sonatas and other virtuosic piano works.

■ Sept. 27, noon, Williams Auditorium: Equality presents PlayRights Interactive Theatre, in their Acquaintance Rape Program, where four friends react to a night that included alcohol, flirtation and conflicting stories. This program defines rape in the eyes of the law, as well as examining such issues as date rape drugs, the influence of alcohol, medical and legal issues and community resources. PlayRights is an interactive theatre group using the power of drama to bring to life current issues in an educational forum. Equality is a nonprofit organization dedicated to expanding awareness and promoting social change around issues of equality, and particularly violence against women.

■ Oct. 25, 7:30 p.m., Williams Auditorium: Barbara Martin Trio — For "Women In Blues." Martin combines her knowledge of American women blues artists with her love of blues singing to present, with her trio, a program that gives the audience insight into American musical history. The lives, times and influences of American women blues artists from the 1920s through the 1950s are presented, focusing on Bessie Smith, Sepie Wallace and Billie Holiday.

■ Nov. 2, 7:30 p.m., Williams Auditorium: "Coffeehouse with Karen Goldberg." One college night on a dare, Karen Goldberg played a tune on stage at a downtown Baltimore nightclub. She was hired on the spot. Now, six records and hundreds of concerts later, that dare has turned into a totally unexpected career.

■ Nov. 30, 7:30 p.m., Williams Auditorium: Philadelphia Brass returns to Penn State Fayette. Philadelphia Brass has been performing together since 1988, when it was formed by five southeast Pennsylvania brass players. Every concert includes new arrangements, music of the past and classics of today.

Penn State Fayette also has brought back its Campus Coffeehouse program, held from 7:30 to 10 p.m. in the J.L. Williams Building on campus. Dates are Sept. 20, Oct. 11, Nov. 8, and Nov. 29. Fred Adams, professor of English at Penn State Fayette, serves as each coffeehouse's emcee as he performs many favorites on the guitar.

For more information on the Penn State Fayette Cultural Series, call (724) 430-4125. For more information on the Campus Coffeehouse sessions, call (724) 430-4248.

Robeson Gallery exhibit

"Eritrea-Ethiopia, Prayers for Peace" and "Africa: Myth, Magic and Reality," two painting ensembles by Betty LaDuke, will be on display through Oct. 25 in the Robeson Gallery, on the lowest level of the HUB-Robeson Center on the University Park campus.

For more information, check the Web at <http://www.psu.edu/HUB/Galleries/> or call (814) 865-2563.



University Park Calendar

September 15 - September 24

SPECIAL EVENTS

Sunday, September 17

Further 2000, featuring The Other Ones and Ziggy Marley and the Melody Makers, 6:30 p.m., The Bryce Jordan Center.

Tuesday, September 19

Penn State Career Days 2000, The Bryce Jordan Center, through Sept. 22.

MUSIC

Monday, September 18

Oaryl Ourren, bassoon, 8 p.m., Recital Hall.

Tuesday, September 19

Footloose, 7:30 p.m., Eisenhower Auditorium.

Thursday, September 21

Saxophobia, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Friday, September 22

Lucky Stiff, 8 p.m., Pavilion Theatre, through Sept. 30. For tickets, call (814) 863-0255.

Sunday, September 24

Matchbox Twenty with The Jayhawks, 7:30 p.m., The Bryce Jordan Center.

SEMINARS

Friday, September 15

Anna Griswold on how administrators can help ensure the success of Improvement initiatives, 8:30 to 10 a.m., 404 Old Main.

Lee Samuel Finn on a subject to be announced, 11 a.m., 31B Osmond Laboratory.

Stewart Berlocher on "Molecular Evolution in the Rhagoletis Pomonella Species Group: Evidence for Sympatric Speciation?" 11:15 a.m., 11B Agricultural Sciences and Industries.

Joanne Perry on "Viewing the World: Richard Edes Harrison and the Art of Cartography," 4 p.m., 301 Steidle.

Monday, September 18

Peter Demetz on "Prague and Its Poets," 4 p.m., Alumni Fireside Lounge, The Nittany Lion Inn.

Sharat Chandran on "Querying Internet Images Multi-Resolution Methods," 4 p.m., 302 Pond Laboratory.

Tuesday, September 19

Anuj Bellare on "Structure and Properties of a Nanocomposite PMMA Bone Cement," 10 a.m., 14D Fenske Laboratory.

George Farkas on "Linguistic Cultural Capital is Central to Socioeconomic Inequality," noon, 406 Oswald Tower.

Lee Lindholm on "Recent Progress on the R-Mode Instability Problem," 3:30 p.m., 31B Osmond Laboratory.

Richard B. Alley on "Ice is also Great and Would Suffice: How Glaciers Change the Climate and Record the Changes," 4 p.m., 112 Kern.



"Lego Design," works by Alpha O. Harrison, will be on display in the HUB-Robeson Center Art Alley on the University Park campus through Sept. 24.

Harold Furr on "Intestinal Absorption of Carotenoids," 4 p.m., S-209 Henderson.

Wednesday, September 20

Pamela Farley Short on "Health Insurance for the Transition to Medicare," noon to 1 p.m., 10B Warlik Lab.

Hongchang Cui on "Mechanistic Studies of the Epigenetic Regulation of the Maize Spm Transposon," 12:20 to 1:10 p.m., 10B Tyson.

John S. Popovics on "New Direction in Concrete Non-Destructive Evaluation," 3:35 p.m., 114 Earth-Engineering Sciences.

Thursday, September 21

Chaitali Chakrabarti on "Energy-Efficient Code Generation for Digital Signal Processors," 4 p.m., 302 Pond Lab.

Simon Conway Morris on "The Cambrian Explosion: New Insights from the Burgess Shale," 8 p.m., 111 Forum.

Friday, September 22

Simon Conway Morris on "Evolution Bound: The Ubiquity of Convergence," 9:30 a.m., HUB auditorium.

Nergis Mavalala on "Interferometric Gravitational-Wave Detection: Present to Future," 11 a.m., 31B Osmond Laboratory.

Chip Taylor on "Monarch Butterflies: Orientation and Navigation During the Fall Migration," 11:15 a.m., 11B Agricultural Sciences and Industries.

Susan Eaton on "If You Can Use Them: Work/Family Policies and Work Outcomes," noon to 1 p.m., 102 Weaver.

Simon Conway Morris on "The Non-Prevalence of Humankind: Darwin Meets the Extra-Terrestrials," 2 p.m., HUB auditorium.

Sarah Haug on "Ethnic Mixing and 'Mixed' Identity in Belize: Voices of Belizean Children," 4 p.m., 301 Steidle.

EXHIBITS

HUB-Robeson Center

"Lego Design," works by Alpha O. Harrison, through Sept. 24.

"American Landscapes," paintings by Jim Salem, through Sept. 24.

"Elli Groninger Woodward: Metal Art," through Oct. 15.

"Heritage of Art and Honor," student artwork, through Oct. 2.

"Indian Saris," through Sept. 29.

"Entrea-Ethiopia, Prayers for Peace Africa" and "Myth, Magic and Reality," paintings by Betty LaOuke, through Oct. 25.

Kern exhibit area

"The New Berlin, Views of the City Before and After the Wall," through Sept. 22.

"The DeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Oct. 7.

"The Prehistory of Penn State," through Oct. 25.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," Sept. 19 through Oct. 10.

"Old Master Prints and Drawings from the Permanent Collection," Special Exhibition Gallery I, Sept. 19 through Oct. 10.

Pattee Library

"The Evolution of a Great Library — Penn State University Libraries," exhibit area, through Oct. 29.

"Faces of Children," 109 Pattee, through Nov. 1.

Rifencor exhibit area

Paintings by Jaime Ursic, through Oct. 19.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Audio description enhances events for patrons with sight loss

"View Via Headphones" Audio Description Service, a town and gown initiative coordinated through The Sight-Loss Support Group of Central Pa. Inc., offers free live verbal description of the visual elements of cultural events at University Park to patrons with sight loss.

The service's trained audio describers use a small transmitter and microphone to relay pictorial description to persons wearing earphones attached to palm-sized receivers. Audio description does not overlay other key audible elements of an event. Recent research shows that audio description also enhances information processing for people with learning disabilities.

Faculty, staff and students, as well as community

members, may use audio description. For ticketed events, ask that an audio description receiver be held for use when purchasing tickets at the box office.

The following fall audio-described events are scheduled:

■ Sept. 19, 7:30 p.m.: *Footloose*, Eisenhower Auditorium;

■ Sept. 29, 8 p.m.: *Lucky Stiff*, Pavilion Theatre;

■ Oct. 14, 7 p.m.: "Not One Less," Graduate Association film (free), 101 Chambers;

■ Oct. 21, 7 p.m.: "La Vida es Silbar (Life is to Whistle)," Graduate Association film (free), 101 Chambers;

■ Oct. 27, 8 p.m.: *Spike Heels*, Playhouse Theatre;

■ Nov. 2, 7:30 p.m.: An Evening of Dynamic Repertory (modern dance), Eisenhower Auditorium;

■ Nov. 4, 10:30 a.m.: Special Exhibits Tour, Palmer Museum of Art;

■ Nov. 5, 2 p.m.: *The Velveten Rabbit*, Eisenhower Auditorium;

■ Nov. 10, 8 p.m.: *The Piano Lesson*, Pavilion Theatre; and

■ Dec. 1, 8 p.m.: *Julius Caesar*, Playhouse Theatre.

For more information, call The Sight-Loss Support Group at (814) 238-0132.



News in Brief

Fall foliage hayrides

Sunny afternoons and blazing fall foliage will provide the background for a series of hayrides through scenic woodlands of Stone Valley Recreation Area near University Park. The one hour hayrides will be offered Sept. 17, 23 and 24, and Oct. 7, 8, 14, 15, 22, 28 and 29. A cookout will follow each hayride.

Hayrides will start at 4 p.m. and end at 6 p.m. Cost is \$7 for adults, \$4.75 for children ages 4-12. Children ages 3 and under are free. Hayrides for organized groups also are available.

Registration is required. Call (814) 863-0762 for more information or to register.

Divorce is topic of Spanier radio show

Marital conflict and divorce will be the topic of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly radio call-in show airing at 7 p.m. on Tuesday, Sept. 19, on WPSU-FM (91.5, 106.7, 95.1, 90.1, 100.9 and 104.7).

Joining Spanier to discuss current causes and consequences of divorce will be Paul Amato, professor of sociology and co-editor of *The Postdivorce Family*, and Pepper Schwartz, professor of sociology at the University of Washington and author of *Love Between Equals: How Peer Marriage Really Works*.

Listeners with questions or comments are encouraged to join the discussion by calling (800) 543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ur/tech/tech.html>; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of national and local interest and to allow listeners a chance to communicate directly with Penn State's president.

President's Open House

Faculty, staff, students and the public are welcome to attend the annual President's Open House, scheduled for 3 to 4:30 p.m. Friday, Sept. 22, in Old Main on the University Park campus.

President Graham B. Spanier, Jan Jacobs, vice president for administration, and other key staff members will be on hand in 201 and 205 Old Main, and light refreshments will be served. In addition, visitors can view the frescoes and visit the Old Main Tower.

Lion Ambassadors will serve as tour guides, and members of the Penn State Magicians Club, of which Spanier is adviser, also will be present.

For a preview, visit the president's



Robin Becker, left, and Shawn Turner check out some information at the Microcomputer Order Center. The newly remodeled center will hold an open house Sept. 20-23. For information, see story below.

Photo: Greg Grieco

office virtually by going to <http://www.psu.edu/ur/President/> on the Web.

MOC open house

In celebration of its recent remodeling and in conjunction with Parents and Families Day, the Microcomputer Order Center (MOC) will hold an open house from Wednesday, Sept. 20, through Saturday, Sept. 23, in 12 Willard Building on the University Park campus.

Faculty and staff may stop by and see the newly remodeled sales area where a full line of computers, laptops, printers, accessories and software are on display. A staff of non-commission consultants will be available to answer questions and demonstrate products. Students and parents also are encouraged to stop by to meet with vendors.

Hours are from 8:30 a.m. to 5 p.m. Wednesday, Thursday and Friday, and from 9 a.m. to 2 p.m. Saturday. For more information, check the MOC Web site at <http://moc.cac.psu.edu/> or call (814) 865-2100.

Information night

Penn State Harrisburg is holding a Graduate School information night at 6 p.m. Thursday, Oct. 5, in its new library on the Middletown campus.

With 17 master's and two doctoral programs, Penn State Harrisburg offers the most extensive list of graduate majors in the region. All programs are designed for the part-time student with courses offered in the evening.

Representatives from the academic programs, enrollment services and the financial aid office will be available to answer questions during the open house. For information, call (717) 948-6250 or (800) 222-2056; e-mail hbgadmit@psu.edu; or check the Web at <http://www.hbg.psu.edu/>.

Golf tournament

The Penn State Engineering Alumni Society's Eighth Annual Golf Classic will be held Saturday, Sept. 23, at the Penn State Blue Course, University Park. Registration is at 8 a.m., with tee-off at 9 a.m.

The \$100 tax-deductible registration fee includes breakfast and a barbecue

lunch. Proceeds benefit the society's Endowed Student Scholarship, which provides scholarships to undergraduate engineering students at the University.

The tournament is open to the public. For more information, call Jane Harris at (814) 863-2132 or check the Web at <http://www.engr.psu.edu/www/coe/alumni/golf.stm>.

Study volunteers needed

Participants are needed for an engineering study aimed at evaluating on-premise store signs. Participants must have a valid driver's license and must be between the ages of 17 and 35 or 65 years of age and older. Monetary compensation will be provided to all participants.

This research study is being conducted by Philip M. Garvey, research assistant at the Pennsylvania Transportation Institute. To participate, call (814) 863-7932, give your name, mention you are interested in the on-premise sign evaluation and give a number where you can be reached.



Private Giving

Gift for student aid boosts couple's giving to \$10 million

By ANNE DANAHY
University Relations

William L. and Josephine Berry Weiss, alumni and longtime supporters of the University, recently pledged \$3 million for student aid in the Colleges of Engineering and the Liberal Arts. Their pledge brings the total of the Weisses' commitments to the University to \$10 million.

William Weiss, chairman emeritus of Chicago-based Ameritech, an information and communication management company, is a 1951 graduate in industrial engineering and has served on the board of trustees since 1994. He also served as vice chair of leadership gifts for Penn State's Grand Destiny campaign, which aims to raise \$1 billion in private support during the seven-year period ending June 30, 2003.



THE
PENN STATE
CAMPAIGN

William L. and Josephine Berry Weiss Graduate Scholars Program. In the 2000-01 academic year, 24 students will receive Breakthrough Scholarships and 14 graduate students, including six who are working on their dissertations, will be named Weiss Scholars. Over the period of the gift, 82 graduate and 94 dissertation scholarships will be

awarded, and approximately 75 undergraduate students will receive four-year Breakthrough Scholarship awards.

The Weisses directed their gift to two programs they had previously established: the Breakthrough Scholarship program and the

Breakthrough Scholarships provide financial support to first-year students studying liberal arts or engineering, who show promise of academic success and leadership potential and who have financial need. They may be renewed for a total of eight semesters. The Weiss Graduate Scholarships also provide support to students in liberal arts and engineering.

After graduating from Penn State, Bill Weiss went on to work for the Bell Telephone Co. of Pa., rising through the company's management ranks to become a vice president in 1973. In 1976 he became operating vice president of Wisconsin Telephone and went on to hold several executive positions

until becoming chairman and CEO of Ameritech, from which he retired in 1994. Weiss has served on several corporate boards and has been recognized for his involvement and leadership in civic affairs.

Jo Weiss has been active in many civic and educational groups including serving as a member of the board of directors of the Chicago Child Care Society, the Women's Board of Northwestern University, the Adler Planetarium Astronomy Museum board, and the President's Council of the Museum of Science and Industry.

Their previous support to the University includes establishing faculty fellowships in engineering and the liberal arts, support for University Libraries, the Josephine Berry Weiss Chair in the Humanities and scholarships for financially needy students.

More than half-way there



Construction of the Hintz Alumni Center is now about 60 percent complete. The \$8 million project will add 20,000 square feet of new space to the existing 12,000 square feet in the former University House. In addition, a "bonus" basement space adds another 10,000 square feet to the site. The Hintz Alumni Center will house offices for the Alumni Association, Lion Ambassadors and Career Services. It will feature three large conference rooms, a 120-seat Alumni Center Council Chamber and a three-story corner window which will frame the Old Main Clock tower. For more information, check the Web at <http://www.alumni.psu.edu/council/history.html>.

Photo: Greg Grieco

NEH grants awarded for summer 2001

The National Endowment for the Humanities (NEH) has announced two grants to liberal arts faculty totaling \$243,634.

A summer 2001 seminar of four weeks' duration, "American Pragmatism and Culture: Art and Society," was funded in the amount of \$96,387. John Stuhr, professor and head of the Department of Philosophy, is director. Richard M. Shusterman, professor and chair of the Department of Philosophy at Temple University, is co-director.

The seminar, to be held at University Park campus for 15 college and university teachers, will focus critically on pragmatism's role in theory and in practice in contemporary American culture.

A five-week summer 2001 institute for 25 college and university teachers was awarded funding of \$147,247. Daniel Beaver, associate professor of European history, and Garrett Sullivan, assistant professor of English, are co-directors. The institute runs from July 2 to Aug. 3, 2001, and is titled, "Space and Society in the Past: Landscape, Power and Identity in the Early Modern Atlantic World."

The institute will focus on the interdisciplinary problems of early modern Atlantic history and the evolving notions of identity among its societies.

NEH grants are awarded on a competitive basis. Throughout the year, humanities experts outside of the NEH assess all applications and judge the quality and significance of each proposed project.

Nominations sought for 2001 achievement awards

Nominations for the 2001 Faculty and Staff Achievement Awards are being sought from University and local community organizations and individuals.

Nominators may obtain copies of a standardized format for submitting nominations by visiting the Office of Human Resources' Web site at <http://www.ohr.psu.edu/>, under the document section. The nomination form also is available by contacting the Office of Human Resources at (814) 863-6188.

Nominations should be sent to Billie S. Willits, Box 6, Rider Building, or faxed to (814) 863-3461, by Friday, Dec. 1. Supporting information which accompanies nominations should be as brief as possible.

The Faculty and Staff Achievement Awards are:

Barash Award for Human Service

The Barash Award for Human Service was created in 1975 by the family of the late Sy Barash. The award, which carries a stipend of \$1,000, is awarded to a full-time member of the faculty, staff or student body at University Park who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or the welfare of fellow humans. These human service activities must have been performed in University Park, the borough of State College, or College, Patton, Harris or Ferguson townships.

McKay Donkin Award

The McKay Donkin Award was established in 1969 in honor of the McKay Donkin, who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend, is presented to a full-time faculty or staff member or retiree who has contributed most to the "economic, physical, mental or social welfare of the faculty" of the University. The contributions of

the nominee should be for duties or services which are above and beyond his or her regularly assigned duties.

Administrative Excellence Award

The Administrative Excellence Award carries a stipend of \$1,000. The award is made to a member of the staff of the University whose performance methods and achievements exemplify administrative excellence. The award is funded by a gift from Kenneth E. and Mary K. Warrick. Important criteria considered in the evaluation of nominees include total experience in an administrative position, accumulative levels of responsibility and authority, years of service at the University and in present position, and impact on own organization and on the University in general.

Staff Excellence Award

The Staff Excellence Award, established in 1993, carries a stipend of \$500. The award is made annually to a member of the staff of the University who has demonstrated and practiced the philosophy of continuous quality improvement, team spirit, managerial excellence and provided leadership in establishing a quality service orientation of the performance of assigned duties. To be eligible for the award, full-time staff must have at least five years of University service.

Support Staff Award

Established in 1997, the Support Staff Award carries a stipend of \$500. This award recognizes the overall high quality performance of a non-exempt member of the support staff in fulfilling the mission of the University and of his/her college or administrative unit. The award will be given to a full-time non-exempt member of the support staff in recogni-

tion of dedicated focus to customer service, commitment to quality improvement, outstanding skills and abilities, teamwork and professionalism. To be eligible for this award, a non-exempt staff member must have at least five years of active University service.

Dr. James Robinson Equal Opportunity Award

The Dr. James Robinson Equal Opportunity Award, sponsored by the Penn State Alumni Association and given in honor of Dr. James Robinson, 1949, a devoted alumnus and former Alumni Council member, is designed to recognize a University faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding. The award, consisting of a \$1,500 stipend, is given in recognition of meeting one or more of the following criteria: demonstrated commitment to the spirit of equal opportunity through affirmative action; demonstrated leadership in the elimination of discrimination through encouragement of understanding between persons of different races, sexes, age groups, sexual orientation, ethnicity or religious heritage; and a demonstrated commitment to meeting the special needs of students, faculty or staff who are members of traditionally underrepresented groups. To be eligible for this award, full-time faculty and staff must have at least two years of active University service.

Billie S. Willits, assistant vice president for Human Resources, is chairing a general committee to solicit nominations for the 2001 awards. Ronald R. Rohde, Human Resources officer, Office of Human Resources, is providing staff support to the committee. Six subcommittees will screen nominations and develop recommendations for the respective awards. Early submission of nomination forms is encouraged.

University-wide business plan contest to be launched Sept. 28

The College of the Liberal Arts will launch the first-ever University-wide business plan contest at 7 p.m. Sept. 28 in the HUB-Robeson auditorium on the University Park campus. Sponsored by the College of the Liberal Arts and a gift from alumnus Ken Fox, the U2B Fox Challenge is a business plan contest open to all full-time undergraduate and graduate students.

Through the University, Fox is giving up to \$250,000 in prizes to teams so that the groups may fund a new business venture. In that way, the U2B Fox Challenge intends to engage students in entrepreneurship from conceptualization and planning through launching a new company. Winners of the prizes will be selected by a panel made up of business professionals and Penn State faculty.

At the U2B Fox Challenge Kickoff, entrepreneurs and high tech superstars will join Fox in a panel discussion addressing "The Entrepreneurial Journey" and Fox will announce the beginning of the contest and specify the ground rules.

All contest registrants, the University community and area residents may attend this event that will embrace the

changing way business is done worldwide.

The contest is open to the entire University community. Each submission must have at least one currently enrolled, full-time undergraduate student in one of the lead roles on the project. Teams of faculty, graduate students and undergraduate students are encouraged.

Teams will submit short executive summaries in the fall, and a group of semi-finalists will prepare complete business plans during the following winter. Winners will be chosen in the spring of 2001. Ideally, those projects, having been awarded seed money, will develop into innovative, profitable businesses.

The creation of a business plan contest stems from Fox's own background. Graduating seven years ago with a B.S. in economics, he is the co-founder and managing director of Internet Capital Group Inc., an Internet company engaged in business-to-business e-commerce through a network of partner companies.

For contest rules and for more information, check the Web at <http://www.u2b.psu.edu/>.

Self-portrait in progress



Theresa Zink, a senior landscape architecture student, works on a self-portrait sculpture for her intermediate sculpture class. Taught by Sallie McCorkle, associate professor of art and women's studies, the class works on development of expressive and creative skills through selected studio problems in basic sculptural techniques.

Photo: Greg Grieco

Library dedicated



Nancy Cline, right, former dean of the University Libraries, is greeted by football coach Joe Paterno and his wife, Sue Paterno, at the dedication ceremony for the new Paterno Library. The Paternos led the Campaign for the Library, which raised \$13.75 million in private support to build a new library at University Park. More than 3,000 donors contributed to this campaign, which began while Cline was still dean. For Newswire Plus coverage of the Paterno Library dedication, including video highlights, check the Web at <http://www.psu.edu/ur/stories/LibraryDedication/index.html>.

Photo: Greg Grieco

APPOINTMENTS

Computer and Information Systems names senior director

Ronald H. Rash will join the University as senior director of the Office of Administrative Systems.

Rash will lead the office in the development and operation of innovative and cost-effective systems that underlie Penn State's administrative operations. This includes all administrative computing aspects of the University such as financial operations, human resources and student information.

Rash has 37 years of experience in information technology including service as the senior computing officer for the Commonwealth of Pennsylvania. For the past 21 years, he has worked for IBM, Digital Computing, Compaq and Dell Computer in management positions associated with higher education.



Ronald H. Rash

Much of his experience has had a unique Pennsylvania focus, blended with a number of years of interaction with several nationally recognized universities.

His affiliation with Penn State began in 1979 at The Hershey Medical Center, where he spent several years assisting in the implementation of its integrated hospital administrative systems.

In recent years, Rash has worked closely with campus executives from a number of institutions, creating partnerships to support both their academic missions and administrative initiatives.

Rash has a bachelor of science degree in engineering science from Arizona State University.

DuBois announces new director of Continuing Education

John D. Piccolo has joined the administrative staff at Penn State DuBois as the director of Continuing Education.

In his new position, Piccolo is responsible for developing and directing the many continuing education programs and public service activities offered by the campus.

Most recently, Piccolo worked for GKN Sinter Metals as a sales engineer. While at GKN, he was responsible for developing the market for GKN's bushing and bearing center of excellence in DuBois.

Before working for GKN, he was a pro-

duction manager at Windfall Products Inc. of St. Marys. He joined the company in 1995 as an account manager, developing and coordinating accounts in the United States, Europe and South America. He also served in the U.S. Army as a commissioned officer/pilot.

He earned a master's degree in public administration from Troy State University in 1992 and received a bachelor of science degree in business administration from Clarion University of Pennsylvania in 1988.

College of Education welcomes new associate dean

Patricia Nelson, associate professor and head of the Education Department at Susquehanna University, has been appointed associate dean for outreach, cooperative extension, technology and international programs in the College of Education.

Nelson is responsible for coordinating the College of Education's outreach and continuing education programs, including the Pennsylvania Educational Partnership Program. She also will have responsibility for enhancing the use of instructional technologies throughout the college and will be the coordinator for international programs.

Nelson's education career spans the nation and the globe; she holds Certificates of Recognition from both La Uni-



Patricia Nelson

versidad Nacional Abierto in Caracas, Venezuela, and from La Universidad de Guadalajara in Jalisco, Mexico. Nelson has served as an associate professor and the head of Susquehanna University's education department since 1992. Before that, she spent two years as assistant director of the Independent Study Program

for the Division of Continuing Education at the University of Nebraska-Lincoln.

Nelson earned her doctorate in curriculum and instruction from Brigham Young University in 1985. In 1979, she received her M.A. in educational administration from Eastern Michigan University and in 1976 she obtained her M.S.Ed. in special education from Northern Illinois University.

Eberly College appoints Shaffer professor of chemistry

Sharon Hammes-Schiffer, associate professor of chemistry, has been appointed as the Shaffer professor of chemistry at Penn State.

Hammes-Schiffer joined the University faculty for the fall 2000 semester. She has been an assistant professor of chemistry and biochemistry at the University of Notre Dame since 1995.

The Shaffer Faculty Development Professorship in Science, established by alumnus Lionel B.

Shaffer, was created to provide financial support and encouragement for faculty starting their academic careers in the Eberly College of Science.

Hammes-Schiffer earned her bachelor's degree, summa cum laude, at Princeton University in 1988 and her doctoral degree at Stanford University in 1993.

She conducted postdoctoral research at AT&T Bell Laboratories from 1993 to 1995.



Promotions

Staff

Pamela K. Adams, administrative assistant II in College of Engineering
Amanda J. Agans, staff assistant VI in Computer and Information Systems—Telecommunications
Jeffrey D. Bailey, coordinator, information systems in Applied Research Laboratory
Karen R. Bair, administrative assistant II in College of Arts and Architecture
Susan C. Baker, staff assistant VI in Division of Development and Alumni Relations
Robert W. Barlock, analysis and planning associate in Center for Quality and Planning, Office of the Executive Vice President and Provost
Sherrin L. Barnes, staff assistant VII in College of Medicine, The Hershey Medical Center
Rebecca L. Barnhart, staff assistant VII in Division of Development and Alumni Relations
Francesca M. Basalla, staff assistant V in Hospitality Services
Mary C. Bebech, staff assistant VII in College of Agricultural Sciences
Mark C. Bernhard, senior conference planner II in Division of Outreach and Cooperative Extension
Bonnie J. Bidler, area representative II at Penn State Harrisburg
Stephanie M. Brown, staff assistant VI in Division of Development and Alumni Relations
Rebecca A. Bruning, coordinator, career development and placement at Penn State Altoona
Sheryn L. Bruso, research support technician III in College of Agricultural Sciences
Dennis J. Burns, project assistant in College of Agricultural Sciences
Philip J. Coolick, manager, network services in Computer and Information Systems—Telecommunication
Galen R. Cori, applications systems analyst in Applied Research Laboratory
Torri L. Cravener, research support associate in College of Agricultural Sciences
Carrie A. Criley, research coordinator II in College of Medicine, The Hershey Medical Center
Alison E. Cummings, assistant director, residence life in Student Affairs
Ruth E. Dean, staff assistant VII in College of Medicine, The Hershey Medical Center
Sandra L. De Lauster, staff assistant VII in Eberly College of Science
Amy L. Deunin, library assistant I in University Libraries
Connie H. DiAndreth, computer support assistant in Auxiliary and Business Services
Brian W. Dye, research support associate in College of Agricultural Sciences
Charles C. Dubois, marketing manager in Information Sciences and Technology
Christopher P. Dufour, senior conference planner II in Division of Outreach and Cooperative Extension
Cecelia A. Eastman, administrative assistant II in Student Affairs

Linda K. Elenberger, computer support assistant in University Testing Services, Office of the Vice Provost and Dean for Undergraduate Education
Leann L. Engle, senior statistical analyst in College of Medicine, The Hershey Medical Center
Beverly A. Fahr, staff assistant VI in College of Health and Human Development
Arlene R. Fath, staff assistant VI at Penn State McKeesport
Jody R. Fenush, marketing information coordinator in Office of the Vice President for Research
Palge E. Fleck, marketing coordinator I in Computer and Information Systems—Center for Academic Computing
Shana R. Foster, director of sales in Office of the Vice President for Research
Glenda K. Fulkman, staff assistant VII in College of Agricultural Sciences
Maria J. Grauds, staff assistant VII in College of Agricultural Sciences
Michael J. Grove, senior research technologist in College of Agricultural Sciences
Cheryl R. Gustitus, counselor at Penn State Berks
Glenn J. Hackenberg, staff assistant VII in College of Agricultural Sciences
Benjamin L. Harwood, database administrator/Webmaster in College of Agricultural Sciences
Pamela A. Hearn, staff assistant VI in College of Agricultural Sciences
Catherine M. Helsel, senior applications programmer/analyst in Corporate Controller's Office
Holly M. Hess, lead applications programmer/analyst in College of Medicine, The Hershey Medical Center
Robert L. Homan, advanced engineering aide in Applied Research Laboratory
Peter M. Hopsicker, assistant director for athletics at Penn State Altoona
Grant Howe, grant and contract accountant in Corporate Controller's Office
Deborah J. Hoy, development assistant in Division of Development and Alumni Relations
John E. Hurst, assistant director, residence life in Student Affairs
Barbara B. Impellitteri, senior conference planner II in Division of Outreach and Cooperative Extension
Elizabeth A. Irwin, staff assistant V in College of Agricultural Sciences
Tracey B. Jackson, computer support specialist in College of the Liberal Arts
Janet F. Jordan, staff assistant VI at Penn State Fayette
Elaine A. Julian, library assistant I in College of Medicine, The Hershey Medical Center
Kevin W. Knepp, engineering aide in Applied Research Laboratory
Michael D. Kondash, manager, catering and special events in Hospitality Services
Beverly D. Korman, staff assistant VII in Eberly College of Science
Amanda M. Layman, research support technician III in College of Agricultural Sciences

Joan F. Lisle, senior research support associate in College of the Liberal Arts
Amy J. Lutzer, staff assistant VII in Eberly College of Science
Deborah A. Mayes, staff assistant VIII in College of Engineering
Dara C. McCue, staff assistant VI at Penn State Berks
Dennis M. McGregor, advanced engineering aide in Applied Research Laboratory
Naomi C. McNulty, administrative assistant III in College of the Liberal Arts
Thomas P. Medill, advanced engineering aide in Applied Research Laboratory
Jennifer R. Miele, staff assistant VI in Eberly College of Science
Linda S. Monn, campus registrar II at Penn State Mont Alto
Sandra L. Murray, administrative assistant II in Eberly College of Science
Joseph F. Myers, assistant chief engineer for multimedia production, development and support in College of Communications
Dawn M. Nixon, director of sales in Hospitality Services
Elaine R. Prestia, staff assistant V in College of the Liberal Arts
Robert E. Probst, staff assistant V in College of the Liberal Arts
Tad J. Rimmer, advanced engineering aide in Applied Research Laboratory
Maria J. Schmidt, coordinator, minority programs in College of Education
Christine A. Selders, administrative assistant III in Eberly College of Science
Hope P. Shaffer, staff assistant VI in Eberly College of Science
Carol M. Spotts, staff assistant VII in College of the Liberal Arts
Lisa B. Squire, director, college administration, planning and information technology in Commonwealth College
Thomas W. Steck, manager, maintenance services at Penn State Berks
Susan Doland Swartz, staff assistant VIII in College of Engineering
Vickie L. Taylor, staff assistant IV in Intercollegiate Athletics
H.L. Tressler, staff assistant IX in Office of the Senior Vice President for Finance and Business/Treasurer
Patricia J. Varacalli, staff assistant IX in College of the Liberal Arts
Dennis P. Walizer, project associate in College of Earth and Mineral Sciences
Dan S. Wheeler, technician-research in College of Medicine, The Hershey Medical Center
Jeanne M. Williams, program development specialist in Division of Outreach and Cooperative Extension
Tara R. Witherte, staff assistant VI in Eberly College of Science
Delmar S. Woodring, manager, safety and security in University Safety
Jeremy L. Wright, network coordinator in College of Communications
Amy L. Yearick, staff assistant V in College of the Liberal Arts
Carol A. Zeiss, senior research support associate in College of the Liberal Arts
Eva B. Zison, area representative III at Penn State Abington

Technical Service

Richard J. Albright, maintenance worker general B in Office of Physical Plant
Thomas Basalla, maintenance worker, labor and equipment in Office of Physical Plant
Barbara Benner, residence hall utility worker in Housing and Food Services, Division of Auxiliary and Business Services
Brian E. Bennett, experimental machinist in College of Engineering
Joyce A. Beres, residence hall utility worker in Housing and Food Services, Division of Auxiliary and Business Services
Lisa M. Brown, residence hall utility worker in Housing and Food Services, Division of Auxiliary and Business Services
Robert G. Callahan, maintenance worker, labor and equipment in Office of Physical Plant
Ronald L. Carlson, maintenance worker, labor and equipment in Office of Physical Plant
Jeffery A. Conklin, maintenance mechanic A at Penn State Erie
William R. Conway, area facilities maintenance worker in Office of Physical Plant
Ronald B. Dunegan, maintenance worker, utility in Office of Physical Plant
Jasour J. Emigh, maintenance worker, labor and equipment in Office of Physical Plant
Shon M. Henderson, residence hall utility worker in Housing and Food Services, Division of Auxiliary and Business Services
Norman F. Lucas, preventative maintenance worker in Office of Physical Plant
Paul M. Morroni, maintenance worker utility in Housing and Food Services, Division of Auxiliary and Business Services
Bryan D. Packer, maintenance worker, labor and equipment in Office of Physical Plant
Jennifer F. Panastis, food preparer B in Housing and Food Services, Division of Auxiliary and Business Services
Cherry L. Pequigno, dining hall worker A in Housing and Food Services, Division of Auxiliary and Business Services
Kenneth A. Peters, maintenance worker, labor and equipment in Office of Physical Plant
Christopher C. Pyle, lead airframe and powerplant technician in Business Services
Edward E. Rachau, maintenance worker, labor and equipment in Office of Physical Plant
Scott J. Shoemaker, maintenance worker, labor and equipment in Office of Physical Plant
Chandra K. Shumac, food preparer B in Housing and Food Services, Division of Auxiliary and Business Services
Timothy C. Smetzer, maintenance worker, labor and equipment in Office of Physical Plant
Roger L. Strausbaugh, food preparer B in Housing and Food Services, Division of Auxiliary and Business Services
Donna B. Trout, mail/stockroom worker at Penn State Harrisburg



Focus on Research

Molecular-scale roughness identified as factor in bacteria's ability to cling

By BARBARA HALE
Public Information

Using an atomic-force microscope to probe the surface of glass, mica and quartz at the molecular level, engineers have, for the first time, identified the bacteria-sized peaks and valleys in this tiny terrain as an important factor in microbes' ability to adhere to some of these materials.

"Reducing bacterial adhesion is necessary for preventing tooth decay, the contamination of implants in humans and the contamination of silicon chip surfaces during manufacture," said Bruce E. Logan, Kappe professor of environmental engineering. "On the other hand, it's important to increase bacterial adhesion for the proper operation of water treatment filters and to limit pathogen migration in soil. Bacterial cell adhesion properties have been difficult to control, however, because we hadn't sufficiently developed techniques to probe, study and describe the adhesion forces."

Logan explained that now, new forms of molecular-level microscopy have made it possible for the first time to scan both the individual microorganisms and the surfaces to which they attach and also to measure directly their topography and adhesion properties. Logan collaborated with Karl Shellenberger, a master's degree candidate in environmental engineering.

Using an atomic force microscope, it is possible to probe at the molecular level for charge distribution and to test the currently popular hypothesis that some sites on a particular surface are stickier than others because of a concentration of attractive or repulsive electric charge, he said. Repeated scans of the surfaces of glass beads,



Bruce E. Logan, Kappe professor of environmental engineering, has used an atomic-force microscope to see tiny peaks and valleys in what appear to be smooth surfaces. It is this microscopic roughness, his research suggests, that enables bacteria to stick to various surfaces.

Photo: Greg Grieco

mica and glass slides showed no evidence of appreciably attractive or less repulsive areas on the order of the size of a bacterium or larger.

"Our results do not support theories that electric charge differences result in favorable and unfavorable sites of attachment on these surfaces," Logan said.

On the other hand, the researchers found that molecular scale surface roughness was important. In experiments, they controlled the size of the peak-and-valley surface protrusions on glass beads, leaving some the size of bacteria and smoothing others to

smaller than a bacterium. Suspensions of bacteria and fluorescent microspheres were then passed through columns packed with either rough or smooth beads. The experiments showed that greater adhesion was produced with the molecularly-rough beads than with smooth beads.

"Traditionally, bacterial adhesion is described using theory which generally predicts less adhesion than found experimentally. New molecular-level tools such as atomic-force microscopy may make it possible to better predict and control these properties," Logan said.

Sweet things taste less sweet after a meal

Researchers in the College of Medicine have shown in animal tests that, after a meal, sweet things taste less sweet.

The report, authored by Dr. Andras Hajnal, assistant professor of behavioral science, Kaoru Takeuchi and Ralph Norgren, professor of behavioral science, states that although it sounds like simple common sense — we are less interested in food after a meal than before it — this research demonstrates for the first time a neural mechanism that might account for the effect. Fed to satiety on a palatable food, humans report that the food has the same quality and intensity, but does not taste as "good."

"You cannot get such pat answers from animals," said Norgren, "but we can study both their behavior and their brains."

Norgren and his team recorded neural activity in a part of the brain devoted to processing both taste signals from the tongue and satiety signals from the gut. In previous research, they and others found that if they prey small amounts of fat into the duodenum, a part of gut that drains the stomach, rats behave as if they had just eaten a full meal. They refuse to drink a highly palatable fluid. In the present experiment, they did the same thing while recording taste responses in the brain. Most taste responses were unaffected by fat in the gut, but the responses to sucrose were much smaller than normal. In fact, the larger the response to sucrose beforehand, the greater the decrease after fat was placed in the gut.

Research shows snoring can be a warning sign for high blood pressure

New research from the College of Medicine shows that people who snore, especially the young with no other sleep disorder problems, have an increased risk of hypertension (high blood pressure). The study also shows that those patients with moderate to severe sleep apnea are seven times more likely to develop hypertension compared with patients with no sleep problems. The five-year study, involving 1,741 people ranging in age from 20 to 100, is the largest sleep laboratory study of its kind. The study also shows that hypertension risk increases with the severity of the sleep problem.

"We were able to establish the association between sleep disorder breath-

ing (SDB) and hypertension while adjusting for possible confounding factors such as age, weight and gender. This study indicates that if you have any kind of breathing disturbance during sleep, even just snoring, you need to be aware that you are at much higher risk for hypertension and the problems it causes," said Edward O. Bixler, professor of psychiatry.

The study included 741 men and 1,000 women, and subjects were selected based upon the presence of risk factors for SDB, such as snoring, daytime sleepiness and obesity. Subjects were evaluated during one night in the sleep laboratory at The Milton S. Eshelby Medical Center. Patients were classi-

fied into one of four categories: those with moderate to severe sleep apnea, those who snored and had mild apnea, those who only snored and those with no SDB problems. Results showed that people who snore and have mild sleep apnea were two and a half times as likely to be affected by hypertension as those with no SDB problems. Those who simply snore were one and a half times more likely to have hypertension.

Furthermore, the researchers report that the strength of the association between SDB and hypertension appears strongest in the young, especially those of normal weight.

"This study in combination with

other recent findings strengthens the case for an association between sleep apnea and hypertension," said Dr. Claude Lenfant, director of the National Institutes of Health's National Heart, Lung and Blood Institute (NHLBI). "Dr. Bixler's work extends earlier findings with evidence that even minimal sleep disordered breathing may be a risk factor for hypertension," he said.

Hypertension is a leading cause of cardiovascular disease and stroke. Cardiovascular disease is the number one killer in the United States.

Bixler said the findings in this study suggest that physicians should consider the possibility of hypertension whenever SDB is present.



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Photos: Greg Grieco

New home ready for Schreyer Honors College

Workmen from Graphic Design put up a new sign for the Schreyer Honors College at Atherton Hall on the University Park campus, above. On Sunday, Sept. 10, Joan and William Schreyer, right, attended an open house/anniversary celebration for the college. The event unveiled the newly completed addition and renovations to Atherton Hall, home to the college's offices and also to its students, and marked the 20th anniversary of honors education at Penn State. In 1980, Dr. Paul Axt was named head of the newly formed University Scholars program, which began with about 300 students. Today, the Schreyer Honors College has an enrollment of roughly 1,800 students. For more information about the college, check the Web at <http://www.scholars.psu.edu/index.htm>.





Intercom

INFORMING THE PENN STATE COMMUNITY

SEPTEMBER 21, 2000

U.S. Senate confirms Fedoroff for National Science Board

The United States Senate has confirmed the nomination of Nina V. Fedoroff by President Clinton to serve as a member of the National Science Board (NSB). Fedoroff is professor of biology, the Verne M. Willaman Chair in Life Sciences, director of the Life Sciences Consortium and director of the Penn State Biotechnology Institute.

The NSB is composed of 24 part-time members who are selected on the basis of their eminence in science, engineering, education or research management to direct the activities of the National Science Foundation (NSF). Members of the board are nominated for four-year terms by the president and confirmed by the Senate.

Fedoroff's areas of research, plant genetics and molecular biology, give her the background to deal with issues in plant genetic and genomic research, as



Nina V. Fedoroff

well as the genetic modification of plants, which are high priorities of the NSF.

Fedoroff is perhaps best known for her research on the molecular biology of mobile genetic elements, also known as transposons, in plants and on the developmental regulation of gene expression.

Among her accomplishments, she isolated and characterized the first complete maize transposable genetic element — research that provided the molecular basis for understanding unusual phenomena first described in maize by Nobel Laureate Barbara McClintock. Fedoroff later identified and stud-

ied the molecular mechanism of regulation of the maize suppressor-mutator element and also identified a unique regulatory protein encoded by this element.

Fedoroff is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, the Phi Beta Kappa and Sigma Xi honorary societies, the board of directors of the Sigma-Aldrich Corp., the International Advisory Board to the Englehardt Institute of Molecular Biology in Moscow and the editorial boards of *The Proceedings of the National Academy of Sciences*, *The Plant Journal* and *Perspectives in Biology and Medicine*.

Fedoroff earned a bachelor's degree in biology and chemistry, summa cum laude, at Syracuse University and a Ph.D. in molecular biology at the Rockefeller

Fedoroff, page 2

Career Services director revolutionized his field

By AMY NEIL
Public Information

When you walk into Jack Rayman's office you immediately notice his collection of coffee mugs — he has more than 100.

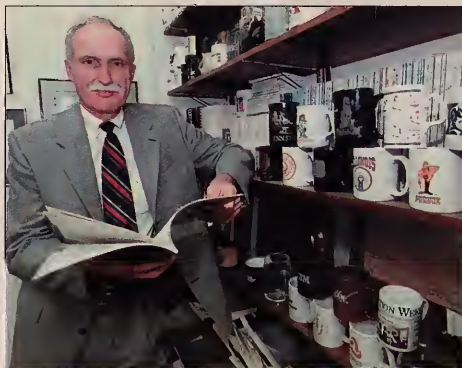
It's a collection by default. When Rayman came to Penn State to take over as director of what was then Career Development and Placement Services, employers coming on campus to conduct student interviews would give him a mug displaying their company logo. As the number of employers coming on campus grew, so did his collection.

For the past 17 years, in addition to accruing mugs, Rayman has overseen a department that serves more than 40,000 students in nearly 200 majors annually. He also is affiliate professor of counseling psychology and education.

Since his arrival, Career Services has been recognized as being one of the premiere career centers in the United States.

"In many ways, Dr. Rayman has, in his leadership of Career Services at Penn State, set the standards for such programs throughout the nation," said Edwin Herr, distinguished professor of education.

The advances made by his department are many (see accompanying story), and his colleagues call him a pioneer for his use of technology to



Over the years, Jack Rayman has built quite a collection of mugs, which he displays in his office. Rayman, director of career services, has more than mugs to show for his many years of service — his leadership has revolutionized career services, not just at Penn State but nationwide.

Photo: Greg Grieco

deliver educational and career information to students and his outreach to colleges and to campuses.

But Rayman refuses to take sole credit for his department's growth and success.

"We have come a long way, but I certainly did not do it alone. When you

see a turtle on top of a fence post, you know it had help," he said, borrowing a quote from the book *Roots*.

Rayman is the only director of career services in the nation to be elected to fellowships in both the

Rayman, page 3

NSF funding creates interdisciplinary research center

An interdisciplinary research center, the Center for Collective Phenomena in Restricted Geometries, has been created at the University with a five-year commitment of \$4.29 million from the National Science Foundation (NSF) as well as support from the University.

"The center provides an opportunity for faculty members and graduate students from four different colleges and six departments to work together on applications and materials that could have an important impact in fundamental and applied science," said Moses Chan, Evan Pugh professor of physics and director of the newly established center.

According to the NSF, the Materials Research Science and Engineering Center (MRSEC) program that funded the center allows scientists to "undertake materials research of scope and complexity that would not be feasible under traditional funding of individual research projects." The newly funded center was one of just a handful selected from an initial pool of almost 100 proposals nationwide that requested NSF support.

According to Chan, the framework for the MRSEC was established by the Materials Research Institute (MRI) and its director, Carlo Pantano. The

Center, page 2

University Park changes travel policy

In an attempt to curb rising costs for the University, a new travel management program has been implemented for the University Park campus.

Penn State Travel Services has selected two agencies — Centre for Travel and Omega World Travel — to provide complete travel services for University Park faculty and staff.

The change came after an extensive review of the University's travel management program in light of the many changes both in the travel industry and in the area of electronic commerce. As a part of this review process, an outside consultant was retained to assist in the review and continuing consultation was provided by the Joint Faculty/Administrative Advisory Committee to Monitor Travel Policies.

Due to the decrease in commissions paid by the airline industry to travel agencies, the University is faced with the need to pay transaction fees for all business travel. Reducing the number of travel agencies to two keeps the transaction fees to a minimum and increases the potential for added savings with the airlines directly through more consolidated purchasing.

Travel Services also is aggressively pursuing a self-booking system that will allow University travelers the option of booking directly from the Travel Services Web site at <http://gurn.psu.edu/central/travel/>, searching for both traditional tariff fares and airline direct Web fares.

Ongoing review of the travel management program will include evaluation of the Direct Billing Authorization Form (DBAF), methods for direct billing and enhancements to the reimbursement process.

In the spirit of community



Roughly 500 members of the Penn State Catholic Community celebrated Mass on the Grass at University Park recently. The event, in its fourth year, is held to bring together the diverse members of the Catholic community at the start of the new school year. Other religious communities also held events to start the semester. One event, Common Ground, drew more than 300 people to the steps of Old Main to celebrate the common ground that many within these fellowships share. For photos of that event, sponsored by Alliance Christian Fellowship, Antioch Christian Fellowship, Asian-American Christian Fellowship, Campus Crusade for Christ, Chi Alpha Christian Fellowship, Christians in Action, Christian Student Fellowship, International Christian Fellowship, Living Stones Christian Fellowship, Navigators, New Life Fellowship and the Wesley Student Fellowship, check the Web at http://www.psu.edu/dept/csf/images/sunday_worship.jpg

Photo: Greg Grieco

Center

Continued from page 1

MRI represents more than 200 faculty members who already conduct interdisciplinary materials research. That existing interdisciplinary effort paved the way for the NSF-funded center.

According to the proposal, the center's initial research includes three primary thrusts: tunable photonic materials, fluid phase transitions, and electronic properties of infiltrated metals. Leaders for those respective research groups are: Theresa Mayer, associate professor of electrical engineering; Paul Sokol, professor of physics; and Thomas Mallouk, DuPont professor of materials chemistry.

Other faculty members involved with the project have academic appointments in the Eberly College of Science, the College of Engineering, the College of Agricultural Sciences, the College of Earth and Mineral Science and some also are affiliated with the MRI. Investigators are: Jayanth Banavar, professor of physics; Vincent Crespi, Distinguished professor of physics; Peter Eklund, professor of physics; Iam-Choon Khoo, professor of electrical engineering; Sanat Kumar, professor of materials science and engineering; Karl Mueller, associate professor of chemistry; and Qiming Zhang, associate professor of electrical engineering.

Educational opportunities for graduate students represent another benefit to Penn State from the center. In its

Director brings NAS credentials to position

With the creation of a National Science Foundation Materials Research Science and Engineering Center, Moses Chan, Evan Pugh professor of physics, becomes director of the center — newly christened the Center for Collective Phenomena in Restricted Geometries.

Although Chan often downplays his accomplishments, his efforts in the field of low-temperature physics earn respect internationally. In addition, he has become a leader within the Department of Physics.

For his work, he recently was elected as Penn State's newest member to the National Academy of Sciences (NAS), considered one of the highest honors that can be accorded a U.S. scientist.

Still, Chan considers himself the "new kid on the block" because the



Moses Chan

University boasts six of its currently active faculty members who also are members of the National Academy of Sciences.

They are:

■ Stephen J. Benkovic, Evan Pugh professor of chemistry and holder of the Eberly Family Chair in chemistry. Elected 1985.

■ A. Welford Castleman, Evan Pugh professor of chemistry. Elected 1998.

■ Nina Fedoroff, Verne M. Williams professor of life sciences, director of the Life Sciences Consortium and director of the Biotechnology Institute. Elected 1990.

■ Roger Penrose, Francis R. and Helen M. Pentz distinguished professor of physics. Elected 1998.

■ Galyampudi R. Rao, holder of the Eberly Family Chair in statistics and director of the Center for Multivariate Analysis. Elected 1995.

first year alone, the MRSEC will serve 15 graduate students.

With the NSF-funded research center, the University plans to construct a central laboratory and theory center for those involved in the project. The project features ambitious goals for the inclusion of minorities and women as well as education and outreach efforts to the general public. In addition,

there are plans for interaction with industry partners and national laboratories.

In the long term, the University's potential industrial partners for the center could benefit from new technology ranging from gas separation and storage to the development of components that would improve the capabilities of fiber-optic networks.

Fedoroff

Continued from page 1

University. She has served on the Council of the National Academy of Sciences, the board of directors of the International Science Foundation and the board of trustees of the Biological Sciences Information Service. She recently has been elected to the board of directors of the American Association for the Advancement of Science. She also has been involved in many professional activities in the national and international science communities.

Other current members of the National Science Board who have a Penn State connection include Eamon M. Kelly, chair of the National Science Board, who was an assistant professor of finance at Penn State from 1965 to 1968 and is now president emeritus and professor in the Payson Center for International Development and Technology Transfer at Tulane University; Warren M. Washington, director of the National Center for Atmospheric Research climate and global dynamics division, who earned a doctorate at the University in 1964; and Joseph A. Miller Jr., Distinguished Alumnus and Alumni Fellow, who is a member of the National Research Council Center for Science, Mathematics and Engineering Education and the senior vice president for research and development and chief science and technology officer at DuPont.

Rayman

Continued from page 1

American Psychological Association and the National Association of Colleges and Employers' Academy of Fellows.

President Graham B. Spanier calls Rayman "one of the most respected and senior career development professionals in the nation. He oversees a truly outstanding enterprise that has served tens of thousands of students over the years."

Born and raised on a farm in a small town in Iowa, Rayman attended classes in a one-room schoolhouse.

"I graduated in the top third of my class — there were three of us," jokes Rayman.

He went to Iowa State University to pursue a degree in business, but after graduation, decided to go back to school to study English.

"Because of the social activism of the era, I did not want to be part of the establishment. I wanted to be part of the solution rather than part of the problem."

While attending Iowa State, he met his wife of 33 years, Barbara, who is currently assistant to the dean and foreign student adviser in the Office of International Programs. They were married two weeks before leaving for Peace Corps training. From 1968-1970, Rayman and his wife served as Peace Corps volunteers in Sarawak, Malaysia, where he taught agriculture, English and geography at Rajang Teachers College.

"The area was self-contained," said Rayman. "We ate, lived and worked in a clearing in the jungle."

In addition to teaching, Rayman also designed and built the first 18-hole golf course in Sarawak.

Although no one there had ever seen golf, Rayman wanted the course to be as traditional as possible. However, certain modifications had to be made due to lack of space.

"Open holes crisscrossed the soccer field, and went around classrooms and dormitories," said Rayman. "To hole out, you simply had to hit a concrete base."

Golf clubs were needed, so Rayman went to Singapore and bought used 8-irons.

"Only one club was needed. It was not necessary to have a putter because the greens were too rough."

After the Peace Corps, Rayman graduated with a Ph.D. in counseling psychology from the University of Iowa. His dissertation, "Sex and the

Penn State Career Services achievements

1983: First Minority Career Awareness Day.

1985: Introduces Intake, a drop-in career counseling service.

1988: First student affairs office at Penn State to receive the Senior Class Gift, which is used to establish the Interview Training Center and the Mock Interview Program.

1989: Video interviewing extends on-campus interviewing to the Commonwealth Campus System and receives the "Chevron Award for Innovation" from the College Placement Council.

1995: Career Services becomes formal practicum training site for the counseling psychology doctoral program at Penn State.

1995: Undergoes first external review and is recognized as one of the premiere career centers in the nation.

1996: Implements TeSS (Total Electronic Scheduling System), a computerized on-campus recruiting scheduling system.

1998: LionLink (<http://www.lionlink.psu.edu/>) matches participating students with an alumni volunteer willing to provide career information.

1999: On-Campus Recruiting (OCR) system allows students to request and schedule interviews via the Web.

1999: Career Management System (CMS) allows multiple resumes for students, supports total Web activities by students and will allow new features for employers, such as Web-based candidate selection.

1999: Contracts JOBTRAK.COM, a national listing service on the Web for job postings for Penn State students and alumni.

Single Interest Inventory," was a groundbreaking effort to eliminate gender bias in interest measurement, and was the prototype for the Unisex Edition of the ACT Interest Inventory (UnIACT) which is now part of the SAT, which is more widely used in the western part of the nation.

From 1974-1978 he was assistant professor for research at Western Maryland College, where he was a major architect of DISCOVER, a computerized career guidance system that is in use at more than 3,000 locations nationwide.

He was working at Iowa State University when he was invited to submit his resume for the position at Penn State. One of his first goals after he arrived was to place more emphasis on career counseling. At most universities, career counseling is done in the psychological counseling center. Rayman said doing career counseling in the career center, in association with career placement and service, helps remove a stigma that is sometimes associated with psychological counseling.

However, he is quick to point out that career counseling is not just advising.

"It involves a lot of psychological content. An individual's psychological well being is bound-up in one's career."

Rayman has used advances in technology to expand the many services his department offers.

Requests for interview services are totally on the Web. On line, the students can have 10 different resumes, which can be sent to different employ-

ers. Before, the students needed to come in person to Boucke to arrange the interviews and check interview schedules."

Rayman said there is a downside to the new procedures.

"There was incidental learning when the students came to the office. Students interacted with each other and they would see information on other sessions and programs."

The low unemployment rate also has created a problem for Rayman and his staff.

"Employers are becoming very aggressive and bypassing our policies and procedures. Now, they often contact the students directly rather than going through Career Services, and interviews are being conducted outside of our controlled environment, increasing the risk of inappropriate behavior."

Vice President for Student Affairs

William Asbury said Rayman is the consummate professional.

"His contributions to the quality and customer focus of the services provided to our students, not only at University Park, have been magnificent."

Teresa Keeler, Rayman's office administrator for the past 13 years, said he leads by example.

"Each year the department recognizes outstanding colleagues and typically administrative staff aren't nominated. However, this year the committee unanimously voted for Jack because of his commitment to Career Services, especially in his never-ending efforts to see the new building become a reality. He's hardworking and tireless."

For 24 years, Career Services has been headquartered on the fourth floor of Boucke. In fall 2001, ground will be broken for the 35,000 square-foot MBNA Career Services center, a state-of-the-art facility that will be built in the parking lot next to the Computer Building on Bigler Road. The building will be close to the tennis courts, one of Rayman's passions.

In addition to playing tennis, Rayman writes poetry. In 1966 he won the "Star Award" in the *Kansas City Star* Poetry Contest and has had many poems published.

"Jack Rayman has a great sense of humor," said Asbury. "He could write for *Readers Digest* and plays tennis, fairly well. And, he is the only person at the University I know — other than his wife — who regularly bikes across the state of Iowa."

He also enjoys Lady Lion basketball and, when possible, spends weekends with his wife in their log cabin on the Allegheny Plateau. Rayman and his 78-year old father built the cabin, with just a little help from friends.

"My father came from Iowa to help me build the log cabin," he said. "It took us one week, working from sunup to sundown. It was like a big Lincoln Log set."

Rayman's youngest daughter, Megan, is a senior at Penn State and is participating in a study-abroad internship at the Olympics in Sydney, Australia. His oldest daughter, Jamie, a recent Penn State graduate in biology, is, like her parents, a Peace Corps volunteer, teaching high school physics and chemistry in Axim, Ghana.

OBITUARIES

Joseph M. Ammerman, acoustic technician in the Applied Research Laboratory, from Sept. 1, 1945, until his retirement June 29, 1985; died Aug. 9, at the age of 76.

Joseph A. Kemp, manager, facilities and maintenance operations at Penn State Harrisburg, from April 1, 1974, until his retirement July 1, 1987; died Aug. 16. He was 79.

Amos O. Shaffer, janitorial worker at Penn State DuBois, from Oct. 13, 1975, until his retirement April 1, 1990; died Aug. 10, at the age of 78.

Dwain N. Walcher, senior adviser emeritus for college development and relations and professor emeritus of human development in the College of Health

and Human Development, from Jan. 20, 1969, until his retirement June 30, 1980; died July 18. He was 85.

William R. Walker, poultry maintenance worker in the College of Agricultural Sciences, from Oct. 1, 1957, until his retirement Jan. 1, 1992; died Aug. 13, at the age of 70.



Lectures

Marker Lectures in Genetic Engineering to cover suppressor genes and cancer

Arnold J. Levine, president of The Rockefeller University, will give the 2000 Marker Lectures in Genetic Engineering Sept. 28-29 on the University Park campus. The two-lecture series, "Tumor Suppressor Genes and Cancer," is sponsored by the Eberly College of Science and is open to the public.

The lecture schedule includes: "Putting the Breaks on Cancer" at 7:30 p.m. Thursday, Sept. 28, in 101 Thomas Building; and "Transcriptional Profiles of p53 Regulated Genes and Colon Cancers" at 11:15 a.m. Friday, Sept. 29, in 101 Thomas Building. Levine is a leading authority on the molecular basis of cancer. His research focuses on the tumor suppressor gene called p53 and on its protein product, which he discovered in 1979. When the p53 gene does not function properly, it fails to control cell division and acquires dangerous traits that add to the malignancy of a tumor. Disruption of p53's normal function is associated with an



Arnold J. Levine

estimated 60 percent of human cancers. Now studied in laboratories around the world, p53 is helping to develop a new generation of cancer therapies.

Levine was elected to the National Academy of Sciences in 1991 and to its Institute of Medicine in 1995. In 1996, he helped shape U.S. science priorities as chairman of an influential review panel on federal AIDS research funding.

Levine is Rockefeller University's first Robert and Harriet Heilbrun professor of cancer biology. He moved to Rockefeller University in 1988 from Princeton University, where he was the Harry C. Wiess professor of life sciences.

The Marker Lectures were established in 1984 through a gift from Russell Earl Markert, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth-control pill.

Graduate School Faculty Workshop to be held Oct. 3

The annual Graduate School Faculty Workshop will be held from 8:30 a.m. to 1 p.m. Oct. 3, in the President's Hall at the Penn State Conference Center Hotel. The topic for this year's workshop is "Re-envisioning the Ph.D. at Penn State for the New Millennium."

The intent of this workshop is to consider the study "Re-envisioning the Ph.D., a two-year project funded by The Pew Charitable Trusts. This project poses the question, "How can we re-envision the Ph.D. to meet the needs of society in the 21st century?" and is developing several ways to effect a national dialogue to contribute to the answer.

Jody D. Nyquist, assistant dean and director of the Center for Instructional Development and Research, the Graduate School at the University of Wash-

ington, is the principal investigator and the keynote speaker for the workshop.

The Graduate School Faculty Workshop also will provide a University-wide forum to discuss and showcase innovative initiatives in place to enhance the quality of Ph.D. students as they prepare for the workforce.

After the keynote address, panelists from the University will present and discuss their innovative initiatives for the training of Ph.D. students. Following the panel discussion, faculty will have an opportunity to interact with the keynote speaker and panelists during a question-and-answer period.

For more information, e-mail Richard H. Yahner at ryh@psu.edu. More information about the study can be found on the Web at <http://depts.washington.edu/envision/>.

WISE Math Day planned for Oct. 7

The Women in the Sciences and Engineering (WISE) Institute will hold its first WISE Math Day at the University Park campus for ninth- and 10th-grade girls in Centre County on Saturday, Oct. 7.

Shai McGowan, a math teacher in the State College Area School District near University Park, will assist with the program, which was made possible by a grant from the Tensor Foundation via the Mathematical Association of America.

WISE Math Day is a new outreach program created by Niket Achar, associate director of the WISE Institute, and Diane Henderson, associate professor of mathematics, to bridge the interest gap in math and science for young women from elementary school to high school and eventually into college.

For a brochure, registration form or more information, call Katie Rung at (814) 865-3342 or e-mail cxg1@psu.edu. Deadline for registration is Sept. 29.

Former astronaut to discuss space station

Michael Richard "Rich" Clifford, Space Station Flight Operations manager for Boeing Defense and Space Group and former astronaut, will address "Bringing the International Space Station Down to Earth: Opportunities for the Earthbound" at 4:30 p.m. Friday, Sept. 29, in 114 Earth and Engineering Sciences Building on the University Park campus. A reception will immediately follow the presentation. This event is sponsored by The Pennsylvania Space Grant Consortium and The Penn State Geographic Information Science Community.

Clifford is a veteran of three space flights. He first flew on the crew of the Space Shuttle Discovery in 1992. He next served aboard the Endeavour on the Space Radar Laboratory mission, which launched in 1994. That mission consisted of three large radars and a



Michael R. Clifford

Clifford will draw upon his past experiences with the Russian space station Mir and as the current Space Station Flight Operations manager for Boeing to address the International Space Station and associated research opportunities for University faculty and researchers. Following the presentation will be a question and answer period.

For more information, check the Web at <http://www.psu.edu/spacegrant/> or call (814) 865-5557.

Penn State Beaver Police to hold videoconference on alcohol abuse

Penn State Beaver Police will present a live videoconference, "Combating Underage Drinking," from 1 to 4 p.m. Friday, Sept. 22, in the campus 120 Laboratory Classroom Building. The presentation is open to the public.

The videoconference is presented in conjunction with the Pennsylvania State Police Bureau of Liquor Control Enforcement and will provide information about underage drinking patterns and problems. Trends in alcohol abuse by youth also will be reviewed. Three communities that have made a special effort to combat alcohol abuse will be highlighted.

Alcohol continues to be the most commonly abused drug by today's

youth and still the most underestimated and socially acceptable.

Following the broadcast, a member of the Pennsylvania State Police Bureau of Liquor Control Enforcement will introduce strategies that have been implemented throughout the state in an effort to reduce the number of underage drinkers.

In addition, members of the Penn State Beaver Police and student affairs staff will be available to answer any questions about Penn State Beaver's efforts to deter alcohol abuse on campus.

Seating is limited and reservations are advised. To attend, call (724) 773-3783 and leave a complete message.

VOICE Box series set to begin on Sept. 27

VOICE Box will kick off its series of luncheon discussions and workshops this semester with speaker Fred Eisele, associate professor of health policy and administration, from noon to 1 p.m. Sept. 27 in the Stately Conference Room, 202 Hammond Building on the University Park campus.

Sponsored by the Schreyer Institute for Innovation in Learning and the Leonard Center, VOICE (Variations of Innovative Changes in Education) Box explores many aspects of academic innovations. Topics for the

fall series include first-year seminars, problem-based learning and inquiry-based learning.

The series continues biweekly throughout the semester featuring different topics at each session. Staff and students are encouraged to bring a bag lunch. Drinks will be provided.

For more information or to be added to the VOICE Box e-mail list, e-mail the Schreyer Institute at svs8@psu.edu or check the Web at <http://www.inov8.psu.edu/>.

Gerontology colloquium changes speaker lineup

A change has been made to the Gerontology Colloquia speaker lineup. The Sept. 27 presentation will be made by K. Warner Schaie, director of the Gerontology Center.

His title is "Cognitive Abilities in

New Generations of Elderly People."

Schaie's presentation will be from noon to 1 p.m. in 108 Wartik Laboratory on the University Park campus and Lecture Room D at the Hershey Medical Center.



News in Brief

Bible study

A faculty/staff Bible study is held each Tuesday at noon in the Harshbarger Room of Eisenhower Chapel on the University Park campus. Greg Harbaugh, campus pastor for Lutheran Campus Ministry, leads the sessions, and takes topics from participant suggestions. The sessions are open to all faculty and staff.

Informational meeting

The Asian Pacific American Faculty/Staff Coalition is sponsoring an informational meeting from 4 to 5 p.m. Friday, Sept. 29, in 102 Kern, University Park. The coalition is a new professional and personal networking organization for Asian Pacific American employees at all University locations.

For more information about the coalition, call Ajay Nair at (814) 865-1773 or e-mail atn1@psu.edu; or call Vicki Fong at (814) 865-9481 or e-mail vfong@psu.edu.

Youth cross-country

The Nittany Valley Track Club and Centre Region Parks and Recreation will hold a cross-country race for Centre Region youth ages 14 and under before the University's National Invitational cross-country meet Oct. 7. The youth run will be from 8:30 to 10 a.m. on the golf course at University Park.

Children may participate free of charge. Sign-up will be the morning of the race, and a parent's or guardian's signature is required. Run distances and age groups are based on National Amateur Athletic Union standards.

For more information, call Greg Fredericks at (814) 466-6976 or (814) 863-7183, or e-mail glf1@psu.edu; or call Liz Kisenwether at (814) 863-1531 or (814) 231-4095, or e-mail lzk@psu.edu.

Upcoming United Way events

The following events are among those scheduled by the Office of Student Affairs to benefit the Centre County United Way:

■ Luncheon /auction, 1 p.m. Monday, Oct. 2: There will be live and silent auctions. Silent auction items will be available for bid via the Web, and will be on display the day of the auction. Bidding on silent auction items will end at 12:15 p.m. Oct. 2. Attendance at the auction is free to the public.

Student Affairs faculty and staff may purchase luncheon tickets for \$5 by contacting the unit's Student Affairs United Way Committee team member. Luncheon tickets can be purchased by the public for \$5 by calling Carol Reilly at (814) 863-9755. Tickets must be purchased by Sept. 25.



Faculty, staff and the entire campus community are invited to the President's Open House from 3 to 4:30 p.m. tomorrow, Sept. 22, in Old Main on the University Park campus. Meet President Graham B. Spanier and Janis Jacobs, vice president for administration; tour the executive offices and the bell tower; and enjoy light refreshments. This open house is one of the few occasions when the tower is open to visitors.

■ Smooch the Swine contest, 12:15 p.m. Monday, Oct. 2: The contestant with the most monetary votes

will smooch the swine during the luncheon/auction. To view the contestants, check the Web. To cast

monetary votes for contestants, drop by the HUB-Robeson Center tables on the ground floor near the Paul Robeson Cultural Center from Sept. 18-29.

■ Day of Caring, Wednesday, Oct. 5: This year's sponsored site is The Arc of Centre County. Spend the day helping improve the Arc facilities. Improvements include painting, landscaping, yard cleaning and restoration of an old patio. To volunteer, e-mail Kathy Petroff at kap137@psu.edu or call (814) 865-7120.

■ Penn State Bookstore receipt donation drive, Nov. 20 through Dec. 8: Turn Penn State Bookstore receipts into cash for the United Way. The bookstore will donate a percentage of each purchase for which a receipt has been collected to the Centre County United Way. Receipt drop boxes will be at various locations within the bookstore.

For a detailed calendar of events, to view silent auction items or to find out the names of contestants for the Smooch the Swine contest, check the Web at <http://www.sa.psu.edu/unitedway/>.

Carpool

A carpooler is needed between Lewis town and University Park. Work hours are 8 a.m. to 5 p.m. Call Alina at (814) 865-7601 or e-mail asb11@psu.edu or akretova@yahoo.com.

Study volunteers needed

The food lab needs men and women ages 21-40 to participate in a study of food-related behavior. The study consists of eating lunch in the lab in Henderson Building one day a week for four weeks. Participants will be compensated.

The principal investigator is B.J. Rolls. For more information or to participate, call Erin at (814) 863-8482 between 9 a.m. and 4 p.m. Monday through Friday.

Library cafe opens

Pattee Library and Paterno Library patrons now are able to take a study break in the new MacKinnon's Café, where they can grab fresh cappuccino, bagels, sandwiches and more, without leaving the library.

MacKinnon's, on the ground floor of Pattee Library, west, offers an assortment of coffees, juices, pastries, sandwiches and salads, as well as microwaveable meals. Seating is available within the café and on the outdoor patio. Diner's Club and A La Board meal plan points are accepted.

Café hours are 9 a.m. to 9 p.m. Monday through Thursday; 9 a.m. to 6 p.m. Friday; 11 a.m. to 7 p.m. Saturday; and 2 to 9 p.m. Sunday.

Intercom file photo: Greg Grieco

ARTS AND ENTERTAINMENT

Dance concert at Altoona

Allied Motion will present a modern dance concert, "New Places, Familiar Faces," at 8 p.m. Friday, Sept. 29, and at 2 p.m. Saturday, Sept. 30, in the Community Arts Center Wolf-Kuhn Theatre on the Penn State Altoona campus.

This concert features premieres by company directors and choreographers KT Huckabee Milburn, assistant professor of integrative arts and dance at Penn State Altoona, and Renita Romasco. Dick Caram, associate professor of theatre arts at Penn State Altoona, is guest performer.

Tickets are \$3 for students and seniors, \$5 general admission, with children under 12 free, and are on sale at the Penn State Altoona bookstore. Tickets also will be available at the door.

Recitals

The following recitals are scheduled in the College of Arts and Architecture:

■ Susan Boardman, associate professor of music and director of the Penn State Opera Theatre, will perform songs and art song settings of folk music by Hungarian composer Bela Bartók at 8 p.m. Saturday, Sept. 23, in the School of Music Recital Hall on the University Park campus. Boardman, who will sing in Hungarian and Slovak, will be assisted by pianist Steven Smith, professor of music. The recital is free to the public.

■ Eleanor Duncan Armstrong, associate professor of music, will present a flute recital at 8 p.m. Monday, Sept. 25, in the School of Music Recital Hall on the University Park campus. Collaborating in this program will be Kathy Gattuso Cinati, piano, and faculty colleagues, violinist Tim Deighton, assistant professor of music, and cellist Kim Cook, associate professor of music. The recital is free to the public.

Bach's Lunch

Essence of Joy, a 48-member choir directed by Anthony Leach, assistant professor of music, will sing at the Bach's Lunch concert at 12:10 p.m. Thursday, Sept. 28, in the Helen Eakin Eisenhower Chapel on the University Park campus.

Essence of Joy will perform Afro-American spirituals and gospel music by composers based in or near the District of Columbia metropolitan area; the theme is D.C. Connection.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

He digs his work



Greg Andrews, a worker in the Office of Physical Plant at University Park, installs new posts along the mall between Old Main and Sackett Building. The posts had been removed so new sidewalk could be laid.

Photo: Greg Grieco



Appointments

Department of Entomology welcomes new head

Gary Felton, professor of entomology at the University of Arkansas, has been appointed head of the department of entomology in the College of Agricultural Sciences.

Felton's research interests include insect-pest interactions, the physiological mode of action of natural plant products, oxidative stress and insect biology, and nutritional physiology. He holds patents for ultraviolet protectants for insect pathogens and for using insect glucose oxidase as an elicitor of plant resistance.

Felton earned his bachelor's degree in biological science from the University of California, Irvine in 1975. He earned a master's degree in entomology from the University of Kentucky in 1983 and received his doctorate in entomology from the University of California, Davis in 1988.

He was a postdoctoral associate in the entomology department at University of California, Davis, before joining the University of Arkansas as assistant professor of entomology in 1990. He was named associate professor in 1994 and full professor in 1999.

Felton has published more than 40 refereed articles, eight book chapters and many other publications. He has presented numerous invited lectures and serves on the editorial board for the *Archives of Insect Biochemistry and Physiology*.

He is a panel member of the National Science Foundation Physiological and Evolutionary Physiology Program. In 1998, he served as panel manager for the U.S. Department of Agriculture National Research Initiative for Entomology/Nematology.

New reference librarian joins Penn State York

Valerie D. White has joined the staff of the Penn State York Lee R. Glatfelter Library as a reference librarian.

White received her M.L.S. from Texas Women's University in December 1999. While a graduate student, she served as a research assistant and cataloger at Texas Women's University. She completed a practicum at Tarrant County College in Hurst, Texas, and later served as a part-time reference librarian at the college.

White holds a B.A. in political science from Moravian College in Bethlehem, Pa. She is a member of the American Library Association, the Pennsylvania Library Association and Beta Phi Mu library and information science honor society.



University Park Calendar

September 22 - October 1

SPECIAL EVENTS

Monday, September 25

WWF Raw is War, 7:45 p.m., The Bryce Jordan Center.

Wednesday, September 27

Division of Development and Alumni Relations United Way "Tailgate" Luncheon, 11:30 a.m. to 1 p.m., Ballrooms C, O and E, The Nittany Lion Inn. For tickets, call (B14) B63-6135.

Saturday, September 30

Penn State Tailgrest, The Bryce Jordan Center.

MUSIC

Friday, September 22

Lucky Stiff, 8 p.m., Pavilion Theatre, through Sept. 30. For tickets, call (B14) 863-0255.

Sunday, September 24

Matchbox Twenty with The Jayhawks, 7:30 p.m., The Bryce Jordan Center.

Wednesday, September 27

KISS, The Farewell Tour with Skid Row, 7:30 p.m., The Bryce Jordan Center.

SEMINARS

Friday, September 22

Simon Conway Morris on "Evolution Bound: The Ubiquity of Convergence," 9:30 a.m., HUB auditorium.

Nergis Mavalvala on "Interferometric Gravitational-Wave Detection: Present to Future," 11 a.m., 318 Osmond Laboratory.
Chip Tourist on "Monarch Butterflies: Orientation and Navigation During the Fall Migration," 11:15 a.m., 118 Agricultural Sciences and Industries.

Susan Eaton on "If You Can Use Them: Work/Family Policies and Work Outcomes," noon to 1 p.m., 102 Weaver.

Simon Conway Morris on "The Non-Prevalence of Humanoids: Darwin Meets the Extra-Terrestrials," 2 p.m., HUB auditorium.

Sarah Haug on "Ethnic Mixing and 'Mixed' Identity in Belize: Voices of Belizean Children," 4 p.m., 301 Steidle.

Monday, September 25

Ann McLaren on "Helping Students Make the Most of Learning Resources," noon to 1 p.m., Living Center, Henderson.

Garniel Sudarsny on "Global Monopoles, Zero Mass Black Holes and Some Other Beasts," 2:30 p.m., 318 Osmond Laboratory.

Tuesday, September 26

Robert J. Kuzmarski on "The Revised NCHS/CDC Pediatric Growth Charts: What's Behind the Change?" 4 p.m., S-209 Henderson.

Wednesday, September 27

K. Warner Schale on "Cognitive Abilities in New Generations of Elderly People," noon to 1 p.m., 10B Wartik Laboratory.

Fred Eisele on academic innovations, noon to 1 p.m., 202 Hammond.

Bruce McClure on "Stylar S-RNase Binding Proteins," 12:20 to 1:10 p.m., 10B Tyson.



Unjin Ko, a junior in the College of Health and Human Development, helps to get the HUB-Robinson Gallery ready for the exhibit "Eritrea Ethiopia, Prayers for Peace Africa: Myth, Magic and Reality." The exhibit runs through Oct. 25 and includes a reception on Sept. 28.

Photo: Greg Grieco

Derek Abbot on "Paradoxical Paradox: When Losing Strategies Cooperate to Win," 3:35 p.m., 114 Earth-Engineering Sciences.

Thursday, September 28

Carol Wright on "World Campus Faculty Development Seminar: Utilizing On-Line Library Resources," 8:30 to 9:30 a.m., Studo D, Mitchell.

Werner Schmidt on "Ten Years of German Unification: A Work in Progress," 4 p.m., 102 Kern.

Arnold J. Levine on "Putting the Breaks on Cancer," 7:30 p.m., 101 Thomas.

Friday, September 29

Oliver Winkler on "Group Coherent States," 11 a.m., 318 Osmond Laboratory.

Arnold J. Levine on "Transcriptional Profiles of p53 Regulat-

ed Genes and Colon Cancers," 11:15 a.m., 101 Thomas.

Mike May on a subject to be announced, 11:15 a.m., 11B Agricultural Sciences and Industries.

Alecia Swasy on "Corporate Stupidity," 11:30 a.m. to 1 p.m., President's Hall, Penn Stater. For tickets, call (B14) B65-7590.

Brian Black on "Towns of Light: Ethics and Technological Intensity in the Civil War Era," 4 p.m., 301 Steidle.

Silvia Benso on "Aesthetics: Plato, Levinas and Art," 4 p.m., 7 Sparks.

Michael Richard "Rich" Clifford on "Bringing the International Space Station Down to Earth: Opportunities for the Earth-bound," 4:30 p.m., 114 Earth and Engineering Sciences.

Panel discussion of sexual assault awareness and prevention issues, 7 to 9 p.m., 129 A and B HUB-Robinson Center.

Saturday, September 30

Sandra Spanier on "On Henningway's Trail," 9 a.m., The Nittany Lion Inn.

EXHIBITS

HUB-Robinson Center

"Ellie Groninger Woodward: Metal Art," through Oct. 15.

"Heritage of Art and Honor," student artwork, through Oct. 2.

"Indian Saris," through Sept. 29.

"Eritrea-Ethiopia, Prayers for Peace Africa" and "Myth, Magic and Reality," paintings by Betty LaOuke, through Oct. 25.

Kern exhibit area

"The OeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Dec. 7.

"The Prehistory of Penn State," through Oct. 25.

"Germany: Divided and Reunited, 50 Years of Post-War German History," 29 through Nov. 30.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," through Dec. 10.

"Old Master Prints and Drawings from the Permanent Collection," Special Exhibition Gallery I, through Dec. 10.

Pattee Library

"The Evolution of a Great Library — Penn State University Libraries," exhibit area, through Oct. 29.

"Faces of Children," 109 Pattee, through Nov. 1.

Ritenour exhibit area

Paintings by Jaime Ursic, through Oct. 19.

West Halls exhibit area

"The Digital Photography Studio," Student Exhibition, Sept. 25 through Oct. 27.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Keep on top of the latest University news through the **Employee Newswire**.

Go to the Web at <http://www.psu.edu/> and click on the link under "Announcements" to sign up for your **FREE** Employee Newswire, an e-mail send with news you can use from the Department of Public Information.

eLion enhances faculty-student interactions

By TYSEN KENDIG
Public Information

In 1992, a team of administrative computing specialists set out on the wave of the emerging e-world to develop an interactive system through which students could access their own administrative records.

Eight years later, that modest effort has blossomed beyond expectation into one of the nation's most comprehensive and user-friendly college advising and information modules that helps satisfy the guidance needs of thousands of University students and ease the burden felt by faculty advisers.

Growing numbers of students are finding the system — named eLion — to be useful for basic advising and information needs and more convenient than frequent visits and appointments with an adviser during limited office hours.

During registration and the first four days of fall classes alone, students flocked to eLion in unprecedented numbers. Monitoring results show that the number of distinct eLion functions, initiated solely by students and resulting in the retrieval of student data, totaled 347,741 during the five-day period from Aug. 21 to 25. In addition, the system tallied more than 2.24 million Web page requests as students returned to campus.

"Faculty also can benefit greatly from eLion," said Scott Smith, director of sys-

... the number of distinct eLion functions, initiated solely by students and resulting in the retrieval of student data, totaled 347,741 during the five-day period from Aug. 21 to 25.

tems operations in the Office of Administrative Systems. "The eLion class-list module provides instructors with the capability to retrieve an electronic version of their class lists that are up-to-date, delivered in minutes to the instructor's University access account e-mail address, and can be easily imported into a spreadsheet, database or e-mail distribution application."

Statistics show that faculty and advisers are indeed warming to eLion. During the same five day period, there were 30,612 distinct eLion functions performed and 42,798 Web hits for faculty and adviser-initiated eLion requests.

"I use eLion all the time and I love it — it's easy to use and offers accurate information about individual students and all of their relevant academic information right at your disposal," said Amy Leddy, premedicide counselor in the Eberly College of Science. "I can use it to gather information about a student and obtain course schedules, audits, FITCAP scores, etc. I also use it to look up course information, discuss the drop/add process, or to calculate a GPA, which used to be a tedious process and

is now just a point and click. It's just a great tool for advisers."

Formerly called the Comprehensive Academic Advising and Information System (CAAIS), eLion provides support to the notion that the foundation of any advising system must be availability. Given the demands of students in today's complex academic environment, faculty cannot juggle their teaching, research and advising office hours in a way that serves each entity in the most effective manner.

To this end, eLion takes advantage of technology through a team of advisers, administrators, faculty and administrative computing specialists that designed a sophisticated, expert-based computerized advising and information system.

Specific functions of eLion are:

- academic and advising references, which include links to information such as advising procedures, University programs and courses, career assistance, continuing and distance education, administrative offices, and policies and rules;

- student services, which provide

students with access to their own administrative records, an ability to take academic actions and receive quality academic advice in the process;

- faculty services, which enable faculty members to receive class lists online;

- adviser services, which provide pertinent information on students' academic activities and achievements to advisers only.

As an added service, the system recently extended its hours of operation. Students, advisers and faculty now can access eLion from 7:30 a.m. to 3 a.m., seven days a week.

Although eLion's greatest attribute to users may be its unlimited availability at almost any time of day, the system still promotes direct interaction between students and faculty members. It emphasizes the presence of a student's academic adviser and encourages significant personal dialogues.

"We don't believe that eLion will replace the need for the personal interactions that take place between students and advisers," said Smith. "Instead, we feel that the quality of these personal interactions will be enhanced by virtue of the fact that students will be better prepared for the interaction after having used eLion."

For more information about eLion, check the Web at <http://eLion.psu.edu/>.

As usual, Great Insect Fair to offer edible-bug challenge

Visitors at this year's Great Insect Fair will be able to experience a challenge worthy of the cast members of "Survivor."

Sponsored by the College of Agricultural Sciences' entomology department, the fair will take place from 10 a.m. to 4 p.m. Sept. 23, in and around the Agricultural Sciences and Industries Building, near the corner of Curtin and Shortridge Roads on the University Park campus.

The brave and adventurous — and the hungry — can stop by the Insect Deli during the annual event and get their fill of arthropod delicacies, such as chocolate "chirpies" (crickets) and mealworm stir-fry.

"There won't be any \$1 million prizes or tribal councils, but visitors will be able to do something that most of us normally don't do intentionally — eat insects," said Steven Jacobs, entomology extension associate and Insect Fair planner. "And unlike the squirming, live grubs the 'Survivor' castaways ate, our insect cuisine will be prepared in an appetizing way."

Many other activities are planned throughout the day, including:

- **Cricket-spitting competition.** Visitors who would prefer to spit out insects rather than swallow them can join this contest, with an eye toward setting a new world record for cricket-spitting. The competition, with senior

and junior divisions for men and women, will be held from 10:30 a.m. to noon and from 1:30 p.m. to 3 p.m.

- **Lady Bug Theatre.** "Bee-ography" — an audience-participation play written and produced by State College-area middle school students — will be performed in 101 Ag Sciences and Industries Building.

- **Roaches From Around the World.** Live "death's head" roaches, giant Madagascar hissing cockroaches and other exotic species will be on display.

- **Insect Olympics.** Under the "Bug Top" — a tent erected in a nearby parking lot — visitors will compare their physical prowess to that of bugs. Penn State athletes will make guest appearances.

- **Children's activities.** Kids can enjoy face painting, free balloons, games and storytelling.

- **Insect artists and vendors.** Shop for insect jewelry and other gifts, as well as insect collecting supplies.

- **The Web Site.** This spider exhibit will feature live black widows and other species indigenous to Pennsylvania.

- **Insect zoo.** See tobacco hornworms, Australian walking sticks and other unusual bugs.

- **Insect collections and collectors.** View dozens of interesting specimens and learn how to start a collection of your own.



Patrick Laninger of State College cautiously tried some of the delicacies at a past Great Insect Fair. This year's event is set for Sept. 23.

Intercom file photo; Greg Grieco

Admission to the Great Insect Fair is free, although donations will be accepted to help defray costs. Free parking is available in the Orange A lot

at the corner of Curtin and Bigler Roads.

For more information, call the entomology department at (814) 865-1895.

Less is more



Chuck Cave, professor of art, left, shows student **Liona Zenturini** the art of subtractive drawing. In the technique, the artist covers the drawing area with charcoal and then uses an eraser to create the picture.

Photo: Greg Grieco

BOOK SHELF

Linda C. Higginson, associate dean for students, Commonwealth College; **M. Lee Upcraft**, assistant vice president emeritus for student affairs; and **Eric R. White**, executive director, Division of Undergraduate Studies, each have contributed a chapter to a new book.

Academic Advising: A Comprehensive Handbook, edited by **Virginia N. Gordon**, **Wesley R. Habley** and associates and sponsored by the National Academic Advising Association.

The handbook explores the critical aspects of academic advising and presents insights on new developments, such as increased enrollment, new curricula and advancing technology, that have profoundly affected advising in recent years. Organized in five parts, the book clarifies the current status of advising and envisions its future role and practice.

Robert Lima, professor of Spanish and comparative literature and Fellow of the Institute for the Arts and Humanities Studies, is the author of a new book.

Sardinia/Sardagna, published by Bordighera International Press as number 24 in its VIA Folio Series.

The book is divided into two parts, each consisting of prose and poetry. Part one, *Isola*, concerns impressions of the Italian island, its people and customs as the author found them during a six-week stay as poet-in-residence with Penn State's Sardinia Program. Part two, *Ichnusa*, views the island's complex archaeology, particularly its countless Bronze Age towers, megalithic passage graves, sacred wells and other sites Lima visited while participating in field surveys.

Parting

Senior research associate served ARL 15 years

Charles Wilson, senior research associate and department head emeritus of the Department of Systems, Analysis and Simulation in the Applied Research Laboratory, has retired after 15 years of service.

While at ARL, Wilson became responsible for the development of large-scale simulations and scientific visualization as well as serving on graduate student committees in industrial engineering.

He became the head of the Simulation and Visualization Department in 1991.

Wilson and his colleagues supported acquisition programs for all torpedoes currently in the fleet as well as major studies of the effectiveness of weapons systems for the Navy.

Wilson had previously been

the associate program director of ORI Inc., a position he held both from 1975 to 1985 and from 1966 to 1973. ORI was part of a technical team supporting ARL in developing underwater simulations.

Between 1974 and 1984, Wilson was an adjunct faculty member at Penn State Harrisburg, where he taught undergraduate and graduate courses.

He has also authored numerous papers and reports on simulation, finance and engineering design.

Wilson received his bachelor of science degree in electrical engineering and a doctorate in business administration from Penn State, in 1960 and 1973, respectively.

During his retirement, Wilson intends to remain active in public speaking through work shops and community theatre.

PENN STATERS

Kim Cook, associate professor of music, performed a solo recital at London's Wigmore Hall. She also collaborated with pianist **Carl Blake** for the performance. This was the first time a Penn State faculty member has performed a solo recital in Wigmore Hall.

Renee D. Diehl, professor of physics, presented a series of three lectures on "Surface Structures and Interactions"

at the 25th International Nathiagali Summer College in Bhurban, Pakistan.

Michael Piovoso, associate professor of electrical engineering at Penn State Great Valley, presented a paper, "Multiblock Models for Chemical Processes," at the TRI-Linear Methods in Chemistry And Psychology 2000 Conference in Faaborg, Denmark.

Jeremy F. Plant, professor of public policy and administration at Penn State Harrisburg, has co-authored a book with **George F. Melvin**.

Central Vermont Railway in Color, published by Morning Sun Books, Scotch Plains, N.J.

The book is an illustrated history of the Central Vermont, an important subsidiary of the Canadian National Railway system connecting Canada and New England. The book chronicles the last years of steam-powered trains on the line in the 1940s and 1950s up to the sale of the CV in 1995 to a new operator, New England Central.

Plant also is beginning a two-year term as chair of the Section on Transportation Policy and Administration of the American Society for Public Administration.

Thomas Smialek, associate professor of music and integrative arts at Penn State Hazleton, is author of new multimedia software.

Multimedia LabWare 2.0, published by Wadsworth/Thomson Learning.

The second edition of this multimedia software for Macintosh and Windows is for use with the introductory music text *Listening to Music* by **Craig Wright** of Yale University. The Windows version of LabWare was co-authored with composer **L.A. Logrande**. Multimedia LabWare is an interactive multimedia listening program that features full-color listening guides for 20 of the most assigned works in the *Listening to Music* text.

It also enables students to create their own multimedia listening guides.



Awards

College of Health and Human Development faculty, staff honored

The Alumni Society of the College of Health and Human Development will honor six faculty and staff members for their achievements at its "Faculty and Staff Awards" ceremony.

The event takes place at 3 p.m. Monday, Oct. 16, in The Nittany Lion Inn Ballroom on the University Park campus, and is open to the public. Eva Pell, vice president for research and dean of The Graduate School, will be the guest speaker.

Linda M. Duerr, director of the Child Development Laboratory, will receive the Carol Clark Ford Staff Achievement Award, which recognizes outstanding achievement by a staff member who "makes it easier for others to accomplish their objectives effectively and efficiently." The award was endowed by Donald H. Ford, dean emeritus of the former College of Human Development, in honor of his wife, Carol Clark Ford.

Frank M. Ahern, senior research scientist in the Department of Biobehavioral Health and Center for Developmental

Health Genetics, will receive the Evelyn R. Saubel Faculty Award, which recognizes faculty members for service to students. Among its criteria are a commitment to human service, accessibility as an adviser and a caring professional style. The award was established in honor of Evelyn Saubel, a longtime assistant to the dean in the former Colleges of Home Economics and Human Development.

Arlene Ellen Hall, associate professor in the Department of Kinesiology and special assistant to the CEO for academic affairs at Penn State New Kensington, will be the recipient of The Commonwealth Faculty Achievement Award. The award recognizes a faculty member at one of the extended locations who makes unique contributions to the college and the campus community. This award recognizes excellence in teaching, advising and service.

William E. Buckley, professor of kinesiology and health education, will receive The Dorothy Jones Barnes Teaching Award, which honors a faculty member for

excellence in teaching and contributions to the art of teaching. It is supported by an endowment from Dorothy Jones Barnes, a 1944 graduate of home economics, and her husband, William T. Barnes.

The Evan G. and Helen G. Pattishall Outstanding Research Achievement Award will be awarded to Linda M. Burton, director of the Center for Human Development and Family Research in Diverse Contexts and professor of human development and family studies and sociology. The award recognizes research contributions occurring or culminating within the past several years. The award is endowed by Evan Pattishall, dean emeritus of the former College of Human Development, and his wife, Helen Pattishall, a 1985 individual and family studies graduate.

Leann L. Birch, professor and head of the Department of Human Development and Family Studies, will receive the Pauline Schmitt Russell Distinguished Research Career Award, which honors a

faculty member who has made outstanding research contributions to the field across a major portion of his or her career. The award was endowed by Leo P. Russell, a 1941 individual engineering graduate, in honor of his late wife, Pauline Schmitt Russell, a 1948 home economics graduate.

In addition, the college's Alumni Society has announced that Elise A. Uhring will be the first recipient of its newly created Faculty/Staff Appreciation Award.

The new award honors individuals who actively promote relationships among students, faculty and alumni. Uhring is the Audiology Clinic coordinator in the Department of Communication Disorders. She is responsible for the administration, supervision and instruction of audiology and speech pathology graduate students in the Speech and Hearing Clinic. She also is an instructor in the department.

She will receive the award during the society's Alumni Awards Reception, scheduled for 5:30 p.m. Oct. 6 in the Faculty Staff Club of The Nittany Lion Inn.

College of Communications presents staff excellence awards

Four members of the College of Communications staff were recently honored with the Deans' Staff Excellence Awards. The 1999-2000 recipients of the awards were: Ron Duneagan, maintenance worker utility for Area 2 of the Office of the Physical Plant; Kevin Leddy, academic adviser in the college's Office of Academic Services; Stephen Reighard, multimedia and computer support specialist for the James Audio Laboratory; and Darlene Sidwell, assistant to the college's director of human resources.

Duneagan, who has been with the University since 1995, has worked in Carnegie Building for just over a year. Doug Anderson, dean of the College of Communications, gave a special recognition to Duneagan, not only for his kindness to members of the college's faculty and staff, but in particular for saving the Carnegie Building from disaster last spring. In March, a fire broke out in the building's kitchen in the middle of the night. Duneagan caught the fire in time to alert the authorities and save the building from being burned.

Leddy was honored for his superior judgment and innovative problem-solving

skills in the area of academic advising. An adviser at Penn State since 1986, Leddy coordinates the college's FTCAF program for new students and their families. He is responsible for the Farnsworth Connection, the junior advising initiatives and the sophomore application-to-major process.

Reighard was honored for being "the ultimate team player." As coordinator of the James Audio Lab for nearly three years, he not only oversees the facilities, but also mentors students.

Reighard was recently honored with the 2000 PAB Faculty Fellowship. The four-week fellowship allowed him to mentor students working for WKPS, Penn State's student radio station, while building on his more than 10 years of experience in radio.

Sidwell, who has worked at Penn State for 14 years, was honored for her collegiality, customer service and organizational skills. She is responsible for coordinating and staff searches, human resources transactions, budgetary affairs and benefits orientation. She also assists with promotion and tenure, sabbaticals and other faculty processes.

efforts to raise public awareness about Penn State DuBois.

Her job responsibilities include conducting a public information program for the campus, researching and writing press releases and managing relationships with diverse media outlets and other external contacts. She also manages development of campus publications, including the quarterly newsletter *College Place*.

Director cited for creativity and innovation

Donald E. Sheffield, director of the Office of Outreach and Diversity Programs, was recognized by Continuing Education with its Creativity and Innovation Award.

Sheffield was recognized for his creativity and innovation in designing and developing successful outreach partnership initiatives, which have generated more than \$2 million of funding for Continuing Education since 1990. He serves as assistant to the vice president for Outreach and Cooperative Extension and research associate in the Office of Diversity Outreach Programs. Sheffield also is affiliate professor of education.

During the past year the Penn State Drug Elimination Program, developed and directed by Sheffield to meet the

needs of low-income housing residents, served more than 500 children and families. As an innovative, community-based partnership with the Housing Authority of Beaver County and business and industry, this program received an award for Services to Special Populations.

In addition, he was recognized for his leadership and advocacy for innovative teacher education and training which now provides a timely opportunity for Continuing Education to deliver advanced credit courses to elementary and secondary teachers on a statewide level. This initiative is a collaboration among Continuing Education, the College of Education and the Heinz Endowment.

Beaver students recognize two advisers

Two members of the Penn State Beaver faculty were recently recognized with awards by the Student Government Association for outstanding advising.

John-Paul Mullis, assistant professor of psychology, was honored with the Outstanding Academic Adviser Award. Mullis has taught psychology at Penn State Beaver since 1994.

Caroline King Hall, associate professor of English and women's studies, was presented the Outstanding Club Adviser Award by the Student Government Association. Hall serves as the adviser of Penn State Beaver's *Literary Magazine*. She has taught English literature, composition and women's studies at Penn State Beaver since 1994.

Associate professor earns excellence award

Pennsylvania College of Technology has honored Kirk M. Cantor, associate professor of plastics and polymer technology, with an Excellence in Teaching Award.

Cantor was selected in part for his Web-based teaching style and multimedia visualization of concepts that are otherwise difficult for students to

learn.

Cantor came to the college in 1990 as an instructor, and was promoted to associate professor in 1998.

The award is presented to a full-time faculty member who has been nominated by students and colleagues for excellence in instructional performance.

DuBois names Penn Stater of the Quarter

Michele Moyer, public information officer at Penn State DuBois, has been named the Penn State of the Quarter at the campus.

The honor is awarded to a campus student, faculty or staff member who demonstrates exemplary service to the University. Honorees are nominated and selected by their peers.

Moyer received the honor in recognition of her work to publicize campus news and events and their ongoing



Focus on Research

Lard-fired boiler found to burn cleaner than one using fuel oil

By ANDREA ELYSE MESSER
Public Information

Pork producers who pride themselves on using every part of the pig except the oink have seen the use of lard in cookies, chips and other foods decrease.

In search of alternative outlets should the lard become unmarketable, a team of researchers has found that lard and choice white grease can replace Nos. 4 and 6 fuel oil in a process steam boiler with little or no retrofitting.

"Today, the lard produced when processing a pig is used in restaurants, bakeries and cosmetics while the choice white grease is used in animal feedstuffs and as chemical feedstock," said Bruce G. Miller, associate director of the University's Energy Institute.

"The market for both edible lard and non-edible choice white grease is changing and Hatfield Quality Meats investigated new options for their products."

A butchered hog is 60 percent meat and 40 percent other products. Of that 40 percent, 20 percent becomes products like processed lard and the other 80 percent becomes animal feed, including choice white grease. In 1998, Hatfield was processing about 7,000 pigs per day, averaging 250 pounds per pig. If the markets for lard or choice white grease should substantially decrease, then they could incur heavy costs for waste disposal if alternative uses are not found.

"Currently, all the choice white grease and lard products are being sold at a price higher than the per gallon cost of fuel oil," said Mark W. Badger, director of the analytical research group of The Energy Institute. "It would not be profitable to burn lard now, but Hatfield is looking toward the future."

The researchers, working closely with Hatfield and John Larsen of Lehigh University, and supported by the Ben Franklin Partnership of the Commonwealth of Pennsylvania, compared the combustion properties of semi-finished lard and finished lard to No. 6 fuel oil. Hatfield currently has three boilers operating on Nos. 4 and 6 fuel oil in their main processing plant.

Pig fat contains essentially no sulfur or sulfur compounds and so produces no sulfur dioxide when burned. The study showed that both pork products produced about one-third the nitrogen oxides produced by No. 6 fuel oil. Because the lards are processed, they produce almost no ash. While pig-derived fuels produce slightly less energy per gallon than No. 6 fuel oil,



Bruce G. Miller, associate director of the University's Energy Institute, is part of a team working to find alternate uses for lard and non-edible white grease.

Photographer: Greg Gilco

they are cleaner. The tests were run on a boiler adjusted for No. 6 fuel oil producing slightly more carbon monoxide from the pig-derived fuels, but this could be eliminated with proper adjustments. The same fuel-handling system was used with all fuels.

"Although lard and choice white grease are semi-solid at room temperature, this poses no problem because typically, No. 6 fuel oil is heated before burning," said Miller. "We preheated the oils to 120 degrees Fahrenheit and the lard and grease became nicely liquid."

In the processing plant, the edible and inedible fats are processed separately. The inedible fat is rendered and

becomes choice white grease. The edible fat goes from the cutting room floor to the melt tank, is heated, centrifuged to break it down and liquefied in a heat exchanger to remove the solids. This produces semi-finished lard, which is as good for fuel as finished lard. The extra expense of finishing the lard by putting it through a separator that removes small insoluble solids and some of the water would be unnecessary should it be used as a boiler fuel.

"Production at the Hatfield plant produces almost nothing as waste," said Miller. "If the current demographics of lard consumers changes, these products make very good fuel.

Working lowers math and science test scores for eighth-graders

By ANDREA ELYSE MESSER
Public Information

Even traditional student jobs like mowing the lawn, babysitting or delivering newspapers may lower math and science scores, according to researchers. Working outside school affects not only U.S. children, but children worldwide.

"Boys, and to a lesser extent girls, show substantial negative effects on math and science achievement associated with after-school employment, even after controlling for family background effects," said David Post, associate professor of education.

Post and Suetling Fong, associate professor of education, looked at the National Educational Longitudinal Study (NELS), a 1988 random sample of eighth-graders across the U.S. that followed students through high school. NELS collected data on students' families, in school and after-school activities and tracked their academic progress.

"For boys, clear evidence exists that working during eighth grade has detrimental effects on achievement and on learning math and science in the 10th grade. The evidence for girls is less dramatic, but still significant."

Many jobs give kids little else than hourly wages as they operate fast-food cash registers having coded keys rather than old-fashioned numerals and not requiring even the rudiment of arithmetic.

The researchers also looked at the U.S. eighth-grade data in the Third International Mathematics and Science Study (TIMSS) and found very similar results in the U.S. data. They then used the data to see if the effect occurred universally.

"Those countries where students more often worked for pay had lower overall scores than those where eighth-grade students do not work outside school," said Post. "This was even significant for girls in those countries where girls work outside the house."

Child welfare advocates in many countries spend enormous energy just trying to get kids into school and to pass compulsory laws requiring universal education, said Post.

"However, requiring children to attend school does not decrease the need for these children to work," he said.

Because of this, the researchers suggest that ultimately, child welfare advocates need to reform child labor laws as well as provide the opportunity for education.

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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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It's official



A long line formed before the start of grand opening ceremonies for the Centre County Visitor Center on the University Park campus. The official ceremony included a ribbon-cutting ceremony, the dedication of the J. Doyle Corman Auditorium in recognition of the former state senator's contributions to the center's construction and remarks by Dale Roth, president, Centre County Convention and Visitors Bureau, President Graham B. Spanier, Barbara Chaffee, deputy secretary for tourism and marketing for the Pennsylvania Department of Community and Economic Development, and others.

Photo: Michelle Klein

Centre County Visitor Center celebrates official grand opening

Unofficially, the Visitor Center opened in time for the National Governors' Association meeting in July and has been busy ever since with between 15,000 and 20,000 visitors since then, including thousands these past two football weekends.

"Today we celebrate a significant milestone for travel and tourism in Centre County. Today we officially open a welcoming center that will greet all visitors and travelers to Centre County and to the Pennsylvania State University," said Dale M. Roth, president of the board of directors for the Centre County Convention and Visitors Bureau. "This project from initial vision through final construction sought the cooperation of many diverse constituents and today we are very proud to dedicate one of the most attractive and innovative visitors' centers in the Commonwealth.

The \$3.5 million, 15,000-square-foot center is a joint venture of the Centre County Convention and Visitors Bureau and Penn State. The bureau has a membership of more than 300

businesses from several departments at Penn State to local media, hotels, restaurants and bed and breakfast establishments, retail shops, banks and many types of services. The building was designed by Susan Maxman and Partners Inc. of Philadelphia.

Several years ago, both the bureau and the University were studying the need for new information centers when a focus group for the bureau suggested the University as the site to combine the interests of the University and the community. Penn State owns the lands and now leases it to the bureau.

The Visitor Center is a complete, one-stop source for information on things to do and see ... recreational suggestions ... directions to and reservations for lodgings and restaurants ... University information and parking permits ... area and Penn State souvenirs ... maps ... public phones ... ATM machines ... an interactive touchscreen kiosk ... professionally mounted displays on the history, culture, industry and points of interest in the county ... and even a cyber café where visitors can check e-mail. The

center also houses the bureau's administrative offices and a University Relations office.

The center is open from 8 a.m. to 7 p.m. daily except Christmas, New Year's Day, Thanksgiving and Easter. County and campus tours will be able to begin and end at the center, and will include an opportunity to view the Centre County video and other promotional videos.

"Today's ribbon-cutting ceremony not only marks the official opening of this attractive 15,000-square-foot structure — which already is a hub of activity — but also signifies the strong cooperative venture among many groups within this county," said President Graham B. Spanier. "With this new venture, a welcoming facility designed to provide an abundance of information and make traveling in Centre County easy and enjoyable, Penn State and the Centre County Convention and Visitors Bureau hope to put Centre County on the map as a must-see destination for all travelers."

For more information, check the Web at <http://www.visitpenstate.org/>.



Intercom

INFORMING THE PENN STATE COMMUNITY

SEPTEMBER 28, 2000

Profile of a learning professional:

Working and the World Campus

By CELENA E. KUSCH
Outreach Communications

Greg Rutbell, an industrial engineer for the Boeing Co., is a Nittany Lion through and through. He has been enrolled in the Penn State Management Development Programs and Services Supervisory Leadership Certificate Program since last year, and he already is considering a master's degree in adult education.

In many ways, he's a model Penn Stater even down to his devotion to athletic programs, but until recently this student had never visited a Penn State campus, let alone sat in a classroom.

Rutbell does all his coursework from his California home. One of Penn State's more than 23,000 distance learners, this Boeing engineer studies in his off-hours through the World Campus, the University's online learning program.

Despite the lack of "face-to-face" contact, Rutbell claims he feels as much a part of the University community as any other student.

"Learning in the World Campus means that I'm a Nittany Lion," he said. "I'm proud to be a student here, and hopefully down the road one of the Penn State alumni."

World Campus, page 2

Employee benefits open enrollment goes high-tech

New faculty and staff have had the opportunity to choose their benefits electronically since May 1. Now, that program has been extended to faculty and staff for use in the annual "Time to Choose" open enrollment process.

Web-based open enrollment provides these distinct advantages:

- Faculty and staff may make benefits selections quickly, efficiently and securely from any Internet-connected computer anywhere in the world. Individuals who may be out of town or out of the country during the open enrollment period need not worry that their enrollment material may not reach them or be returned in a timely manner.

- Web-based enrollment eliminates concerns about lost or misplaced enrollment forms. Shortly after benefits selections for 2001 are submitted on the Web site, the participant will receive an e-mail confirming the

Benefits, page 3

Bolstering the ranks



Jennifer Lane, a member of the College Democrats, was recently stationed in the basement of the HUB-Robeson Center on the University Park campus, helping students register to vote in the upcoming election. The deadline for registering is Oct. 10.

University warns against illegal use of Napster software

In response to recent court proceedings regarding copyright issues and the Internet, the University last week sent out e-mail letters to all faculty, staff and students regarding the use of computer programs such as Napster on computers connected to the University's network.

Napster is an integrated browser and communications system provided by Napster Inc. that enables users to locate and download music available on the Internet in the MP3 music format. Although no music files are stored on Napster's computers, the program connects to the company's computers over the Internet every time it is run, meaning Napster Inc. can track usage exactly.

Last July a federal judge issued a preliminary injunction against Nap-

Napster, page 3

World Campus

Continued from page 1

Rutbell is definitely committed to lifelong learning and what he calls personal "continuous improvement." He believes that today's global economy almost demands that all workers continue their education while on the job, and he thinks the World Campus is a good way to meet their needs.

"The World Campus is a great way to learn because of the flexibility of the programs and curriculum. You can study and do the homework assignments at your own pace, on your own time. If you have downtime at work, you can spend an hour or two there, and if you have some time in the late afternoon, early evening, you can do it at your own pace and leisure then," Rutbell said.

"Of course, your professors are always there. If you want to call them and talk to them one-on-one concerning what the issues, concerns and opportunities are, you can always do that," he said. "They are always there to listen to you, to point you in the right direction and to assist you in that way."

Rutbell is now on his way to completing the Online Supervisory Leadership Certificate, a management development program that offers formal training and practical approaches to build the skills, understanding and confidence necessary to fulfill supervisory roles.

Because he can continue to work while he learns, Rutbell sees the classes paying off already.

"In the classes I've taken through the World Campus, most of the skills in the course's modules relate directly to my job, because most of the tools — such as project management, communications, team-building and problem solving — apply directly to my position as an industrial engineer at Boeing. The courses are very practical and hands-on. I will be taking several of the skills I learned in the World Campus back to my workplace," he said.

Rutbell is just the first in what looks to be a long line of Boeing students enrolled in the University's online, post-baccalaureate certificates and degrees. Boeing's internal education facilities, the Boeing Learning Together Centers, already have given space to the World Campus courses in their newsletter and World Campus program literature is displayed in their five centers around the U.S. Rutbell also



Greg Rutbell, an industrial engineer for Boeing Co. and Penn State World Campus student, recently taught a seminar on the University Park campus.

sees future possibilities for using the courses company-wide, customizing the online Supervisory Leadership Program to tailor to specific company needs for management skills.

"The program would be a great learning and communications tool for any corporation," he said.

With such opportunities available to him at a distance, it might be surprising to learn that Rutbell recently visited Happy Valley. But the working professional didn't use his vacation time for more coursework; instead, he came to Penn State to teach.

In between a Penn State baseball game and a retirement fund for football defensive coordinator Jerry Sandusky, Rutbell delivered a half-day seminar to a group of faculty from Management Development and the College of Engineering on an area that Boeing knows well — lean manufacturing and the lean enterprise. Using his on-the-job expertise, Rutbell shared recent developments in the business

sector for improving production assembly, time-based strategy, and office operations.

For Penn State, the exchange has led to faculty development opportunities and increased access to resources for future Penn State students, as well as current Management Development Programs and Services clients from companies like Sony Chemicals Corp. and Invensty, who also attended Rutbell's seminar.

"The seminar on lean manufacturing is a good example of the work we do to link and connect a number of Management Development clients and faculty to improve manufacturing performance and reduce costs," said Wes Donahue, director of Management Development Programs and Services.

Rutbell's experience shows that the new generation of working professionals who are entering higher education in record numbers might have much to learn, but they have much to give as well.

Innovation Park designated a SelectTech-Site

Innovation Park at Penn State, the University's research park, has been designated a Pa. SelectTech-Site under a collaborative initiative designed to help communities attract new businesses and jobs.

Sam McCullough, secretary of the Pennsylvania Department of Community and Economic Development, made the announcement of the park's selection Sept. 14 at Innovation Park. Penn State was the first stop on a statewide tour for McCullough and other key members of the state's economic-development team to announce the 102 designations, which are in 77 sites in 26 counties.

President Graham B. Spanier; David Carver, president of the Pennsylvania Economic Development Association; and Karen Dickinson, director of Innovation Park at Penn State, also participated in the event marking the announcement.

According to program organizers, the Pa. SelectSites/SelectTech-Sites initiative identifies sites that now are ready for development and helps to market those sites to potential job-project investors. The program was announced by Gov. Tom Ridge and the Governor's Action Team last January as a collaborative partnership with the Pennsylvania Economic Development Association, the Team Pennsylvania Foundation and a broad consortium of electric, gas, rail and telecommunication utilities, as well as key technology stakeholders across the Commonwealth.

The consortium worked in consultation with Fluor Global Services to evaluate hundreds of potential sites around Pennsylvania. All locations designated as SelectSites and SelectTech-Sites by Fluor meet rigorous requirements.

A key component of the initiative is a focus on technology as applied to site selection. While a few other states have attempted to assure sites are ready for development, none have focused on the important technology needs that companies face today.

The SelectSites and SelectTech-Sites initiative evaluated locations for eight development types: heavy industrial; general manufacturing; light industrial and assembly; office-technical services center; office-call center; warehouse and distribution/logistics; research and development; and commerce-development sites.

Fluor Global Services developed specific criteria to differentiate between a SelectSite and a SelectTech-Site designation. Those designated as SelectTech-Sites, including Innovation Park at Penn State, meet a greater level of technology requirements.

The University's Board of Trustees adopted Innovation Park at Penn State as a phased-development project in 1987 to assist in the economic revitalization of the Commonwealth. Phase 1 includes the Technology Center building, the Penn State Conference Center Hotel, the Materials Research Institute Building and the Daytime Child Care Center. Phase 2, begun with a groundbreaking ceremony Aug. 29, 1997, includes the Lubert building which is at full occupancy. A multi-tenant building is under construction for March 2001 occupancy and another multi-tenant building is on the drawing boards. Eventually, Phase 2 will provide an additional entrance to the park when 199 is completed.

"... the Pa. SelectSites/SelectTech-Sites initiative identifies sites that now are ready for development and helps to market those sites to potential job-project investors."

Napster

Continued from page 1

ster for infringement of copyright. An appeals court stayed that injunction pending a hearing next month.

While there are MP3 files on the Internet which can be legally downloaded, a great number are copyrighted. Copying of copyrighted material without the permission of the owner is a violation of state and federal laws, as well as University policy.

In the letter to employees and students, Rodney A. Erickson, executive vice president and provost, explained that while the University does not intend to curtail legitimate use of the software, the University has an obligation to ensure that its networks and computers are not used to violate the law or University policy. The University regards these violations as a very serious matter. Those found to have used the University network to infringe copyrighted works will have their access accounts suspended.

To make sure computers connected to the University's network are not in violation of copyright laws, the University has done initial scans of its networks to determine the use level of programs like Napster. These scans do not examine the content of a particular computer in any way but do determine traffic characteristics. The scans suggest that some employees may be making extensive use of Napster and other programs that can facilitate illegal copying of copyrighted material that belongs to another person, group or company.

There also is evidence from these scans that computer viruses have been transmitted in the process, without the users' knowledge.

All users should be aware of the University's program of continuous review of network traffic to identify copyright violations, viruses or other unsanctioned activities. All computers attached to the Penn State network in any way are subject to such review. If the review uncovers symptoms of these problems, the user will be contacted for further review of network use and assistance will be available to eliminate any problems that exist.

For more information regarding legal use of Napster, see the question-and-answer box at right.

Penn State and Napster

Editor's note: The University recently sent an e-mail to all students and employees reminding them of their legal responsibilities in dealing with copyrighted material on their computers. The following information is provided to help answer questions related to student use of the Penn State computer network, copyright infringement, and the use of Napster.

Q: Is Penn State banning the use of Napster?

A: No. The University is simply advising students that it is illegal and against University policy to copy copyrighted materials without the permission of the author, artist or other copyright holder. University networks may not be used for this purpose. The University is monitoring use patterns on its network to identify potential copyright infringement involving Napster or similar programs. The University has had a long-standing policy that prohibits the use of Penn State resources to infringe on others' copyright, and the University has a legal obligation to enforce that policy. Students who use a Penn State access account are required to abide by University policies.

Q: Many other universities have shut down access to Napster. Why didn't Penn State?

A: Penn State believes in allowing for the greatest level of access possible within the law in the use of its networks. Our review of current law suggests that the University is within its rights to reject requests to ban certain sites. Rather, its approach is to educate its users about copyright infringement and to monitor the network for patterns of illegal use, taking corrective action when appropriate.

Q: Can I make copies of materials that are not copyrighted?

A: In most cases. However, the material must be in the public domain.

Q: If I make even a single copy of copyrighted music, videos or other materials, could it be theft?

A: Yes, it could be considered stealing and the civil and criminal laws regard it that way under certain circumstances.

Q: Is Penn State required to protect its network from illegal activities?

A: Yes, a federal law called the Digital Millennium Copyright Act requires that the University comply with laws governing the use of its network.

Q: Is it any of the University's business how I use my computer?

A: Yes, to the extent that use of the University network is involved. Computer access accounts are provided to support the academic mission of the University. The use of the Penn State network for illegal activities is strictly prohibited. In addition, programs like Napster that use huge amounts of network bandwidth for illegal purposes could have the effect of clogging the network and reducing service for all University computer users.

Q: Did the University go into anyone's computer to see what we've been doing?

A: No, the University does not look into people's computers. The network has been scanned to flag heavy bandwidth users whose use characteristics are consistent with Napster and other similar programs. Scans are external to the computer. They cannot see data or programs on the machine. They look at what the machine sends on the network. All Internet service providers have similar policies to Penn State's and perform similar scans to ensure compliance.

Q: Are there other situations that could account for heavy bandwidth use besides Napster?

A: Yes, there may be legitimate reasons.

Q: What about the transmission of viruses?

A: Viruses have been transmitted through filesharing and other traffic that can compromise the network.

Q: What happens to someone who violates copyright law?

A: Following a review, they stand to lose their Penn State computer account. Other disciplinary actions could apply as well. According to federal laws, they also may face civil actions from the copyright holder, and federal criminal charges with substantial penalties.

Q: Does this effort represent a new policy of the University?

A: No. The University has never permitted its computers and network to be used for illegal purposes. Up to this point the University has relied principally on educational approaches. But the University has been advised by attorneys representing recording artists that they believe that violations at Penn State have occurred. It is the University's obligation — and a requirement of a federal law — that we follow up on these concerns.

Q: Does this apply just to Napster?

A: No. The copying of copyrighted material is not permitted without the permission of the copyright holder or other legally sanctioned permission.

Q: Will the University continue to monitor network traffic?

A: Yes, the network always has been monitored to ensure that adequate capacity is available for a high level of service to faculty, staff and students. Future scans for heavy use consistent with illegal Napster or related activities will occur as appropriate to protect the integrity of the Penn State network. Penn State has a right to monitor the use of its facilities for compliance with the law and University policy.

Benefits

Continued from page 1

selections, eliminating any concern that a deadline may have been missed or a piece of mail misdirected. This year, employees also will receive a paper statement, which will be mailed in early December.

Faculty and staff will receive information in October regarding the annual open enrollment period for employee benefits, which will occur in November. Changes made during open enrollment become effective the next January.

As usual, this mailing will contain a statement of current benefits. However, while previous mailings contained a large volume of printed material, including provider directories for HMOs and enrollment/change forms for benefits, this year's mailings will be more of the University's benefits providers, those directories now are available on the Web. Each provider site can be accessed through links on the Employee Benefits Division Web site at <http://www.ohr.psu.edu/benefits/benefits.htm>.

Additionally, the "Time to Choose" information will be available online at that location. The booklet will not be included in this year's open enrollment mailing.

The security of private information for this process is a vital consideration. Therefore, to access the open enrollment program and to make changes in benefits for 2001, employees will need to provide their Access Account ID and password from the Center for Academic Computing. Anyone who does not have an account should complete the "Access Account Application for Faculty and Staff" and submit it to the Accounts Office, 101 Computer Building, University Park. Applications also may be faxed to that office at (814) 865-9280. These applications are available from the Computer Accounts Office, human resources representatives, computer consulting locations at all campuses, or from the campus business office.

Because there initially will be varying comfort levels with the Web-based process, Employee Benefits staff members will be available to assist in the process. Computers will be available for employee use at each of the Benefits Open Houses at University Park as well as in the Employee Benefits Division office on the second floor of Rider Building.

Questions regarding Web-based enrollment or other open enrollment issues should be directed to the Employee Benefits Division. Call (814) 865-1473 or e-mail bene@psu.edu.



Lectures

Downtown Center posts October lecture schedule

The Penn State Downtown Center in Harrisburg has scheduled an ambitious series of free public lectures for the month of October that includes an array of topics from Langston Hughes and the Harlem Renaissance to Civil War soldiers and the 1960 Pittsburgh Pirates.

All presentations are at noon. For information or registration, call (717) 783-0433.

The October schedule follows:

■ Oct. 2: Diane Shoop, director of the Pennsylvania State Data Center, will discuss the 1997 Economic Census with an overview and results.

■ Oct. 3: The Diverse Community Series presents Emily Bernard from Smith College, who will focus on "The Trouble With Friendship: Lessons from the Harlem Renaissance." Bernard explains that the vital culture of the Harlem Renaissance had two important figures — the poet Langston Hughes and his white patron, Carl Van Vechten. Her lecture will look at their friendship and racial relations today.

■ Oct. 4: The Civil War Series co-sponsored by the Pennsylvania Humanities Council and the Pennsylvania Historical and Museum Commission presents David Dixon from Slippery Rock University lecturing on "So Far From Home — Civil War Soldiers." Pennsylvanians played a major role in the Civil War. Leaving the mines, farms and factories, they joined the Union effort and left records of their experiences. The presentation describes how the war changed the soldiers' lives and the families they left behind.

■ Oct. 5: The Family Emecum Series features Jane A. Mecum from Penn State Cooperative Extension focusing on "The Stressors in Your Life." The presentation will help those

attending understand how stress can be managed.

■ Oct. 10: The Immigrants and Ethnic Traditions Series sponsored by the State Historical and Museum Commission features a look at civil rights in York. Jim Kallish will examine civil rights work done in the White Rose City.

■ Oct. 11: The Diverse Communities Series continues with Shalom Staub from the Institute of Cultural Partnerships discussing the "Impact of Demographic Change on Schools, Neighborhoods and the Workplace." The lecture will look at the non-homogeneity of Central Pennsylvania.

■ Oct. 12: Paul Hallacher of the Office of the Vice President for Research will discuss "Science and Technology in Economic Development." His lecture will examine the way state economic development efforts are adapting to technology-based global competition and attempting to leverage ongoing federal science investment to support economic development.

■ Oct. 17: Baseball fan Ted Knorr's second installment in a series will look at the triumph of the 1960 Pittsburgh Pirates in the World Series.

■ Oct. 20: The State Data Center Lecture Series continues with David Eggbeegen from the Department of Human Development and Family Studies focusing on "The Changing Course of Fatherhood: Men's Experiences with Children in Demographic Perspective."

■ Oct. 24: Sponsored by Planned Parenthood of Central Pennsylvania, Rosemary Madi-Young will lecture on "Gerontological Health Issues."

■ Oct. 26: The Data Center Series concludes with Leif Jensen from the Population Research Institute speaking on "Demographic Diversity of Immigrants and Their Children."

Distinguished author to give Bracken Lecture

Yi-Fu Tuan, Vilas research professor emeritus of geography at the University of Wisconsin-Madison, will kick off this year's John R. Bracken Lecture Series. Tuan will present "Landscape and Politics" at 8 p.m. Thursday, Oct. 5, in 102 Thon Graduate Building on the University Park campus.

Drawing from cultural history, philosophy, literature and critical theory, Tuan crafts sophisticated and thought-provoking essays about the place of humans in nature and culture.

The Bracken Lecture, sponsored by the Department of Landscape Architecture, is free to the public.

Talk deals with non-academic careers

The second get-together in the Fall 2000 Conversations at Kern Series will be held from 5 to 6:30 p.m. Thursday, Oct. 5, in 112 Kern Graduate Building on the University Park campus. The topic for discussion will be "Preparing for a Non-Academic Career: How Do I Start?"

Danald W. Genson, director of Cor-

porate Liaison for the Eberly College of Science, will present his insights and offer advice in preparing for a non-academic position beyond graduate training.

The Conversations at Kern Series is intended for graduate students, postdocs and faculty members. Registration is not required.

University, center team up to hold First Amendment Festival

The College of Communications and The Freedom Forum First Amendment Center will co-sponsor a daylong "First Amendment Festival" on Tuesday, Oct. 3, featuring a keynote address by veteran *New York Times* journalist and author Tom Wicker.

Panels covering such topics as Napster, the Internet and free expression on campus will feature nationally recognized experts on the First Amendment as well as local community members and University professors. All events are free to the public and will be held in the auditorium in the HUB-Roberson Center on the University Park campus.

Wicker's keynote address, "A Pas-

sion for the First," will run from 1:30 to 2:15 p.m.

The Freedom Forum First Amendment Center is an independent affiliate of The Freedom Forum and the Newseum. The Freedom Forum is a non-partisan international foundation dedicated to "free press, free speech and free spirit for all people."

For a complete listing of events and speakers, visit the College of Communications' Web site at <http://www.psu.edu/dep/comm/> or call the First Amendment Festival's hotline at (814) 234-4682.

For more information about the festival, call Clay Calvert at (814) 863-5654 or e-mail ccx45@psu.edu.

Huddle with the Faculty to discuss Hemingway

Sandra Spanier, associate professor of English and Women's Studies, will give an informal presentation on the life of Ernest Hemingway at the third Huddle with the Faculty event, scheduled from 9 to 10 a.m. Saturday, Sept. 30, at The Nittany Lion Inn on the University Park campus.

Spanier's talk, "On Hemingway's Trail," will trace the author's life and career in the context of his times and places and follow the trail of his first

novel, *The Sun Also Rises*, from Paris to Pamplona. Alumni, parents and friends of Penn State may attend these free, informal presentations by top faculty every home-football Saturday.

Huddle with the Faculty is an outreach service of the Penn State Alumni Association, The Nittany Lion Inn and the Penn State Bookstore on campus.

For more information, call Mary Jane Stout at (814) 865-5466 or e-mail mvs4@psu.edu.

Afternoon with the Arts continues Oct. 1

Penn State Abington will present the second lecture in its "An Afternoon with the Arts" program at 2:30 p.m. Sunday, Oct. 1.

The Opera Series of "An Afternoon with the Arts" will feature guest speakers who will lecture on the upcoming performances of the Opera Company of Philadelphia. The fee to attend a single lecture is \$15 or \$60 for the entire opera series. A single lecture for senior citi-

zens is \$5. The program is free to Penn State students with an identification card.

Moylan C. Mills, professor emeritus of integrative arts, will lead the opera and video lecture, which will be held in 112 Woodland Building. The featured opera will be Giuseppe Verdi's "Rigoletto."

For information and to register, call (215) 881-7368.

Presentation to show the value of humor

Statistics show that people who laugh an average of 10 times per day are likely to be happier, healthier individuals. Humor is also an effective remedy for stress and anxiety, and can be found almost anywhere, if you know how to look for it.

Author and columnist Dave Schwensen will discuss the value of humor and how to make it work during

Laughter Works! at 7 p.m. Oct. 3, in Hiller Auditorium at Penn State DuBois. The program is free to the public.

Schwensen will share healthy and fun facts about the benefits of laughter, along with first-hand advice on how to find humor from many of today's top comedy stars.

For more information, call (800) 346-ROAR or (814) 375-4766.

Discussion to aid information-gathering

Administrators who want to gather better information from their stakeholders — faculty, staff, students, alumni or others — may be able to draw upon considerable help that is readily available within the University.

"Tools for Gathering Information from Your Constituents: A Panel Discussion" will gather experts from various units at the University to explore practical constituent-oriented research,

with an emphasis on how actionable data can be gathered and used. The panel discussion is planned for 8:30 to 10 a.m. Wednesday, Oct. 4, at The Nittany Lion Inn Alumni Fireside Lounge on the University Park campus.

For more information or to participate, call the Center for Quality and Planning at (814) 863-8721 or e-mail psucqp@psu.edu. Registration deadline is Monday, Oct. 2.

MORE LECTURES

University to be remote host for joint conference

Penn State will be a remote host for a one-day conference, "Music Education and Technology in the 21st Century" from 8:30 a.m. to 5:30 p.m. Saturday, Oct. 14, in the Palmer Museum of Art auditorium on the University Park campus.

The conference is jointly presented by the Berklee College of Music and Apple Computer. The event will showcase new approaches to using technology to support K-12 music education. Berklee College of Music will host this event for K-12 music teachers and higher education music teacher preparation faculty both at the Boston campus as well as through live webcast via QuickTime to Apple Market Centers across the United States.

Penn State participants can view the proceedings and participate via a telephone connection.

Admission to the conference is free and lunch will be provided. Space is limited, so advance registration is encouraged. To register, call Mark Ballora at (814) 863-3386 or e-mail ballora@psu.edu.

Ecologist, poet, cancer survivor to speak Oct. 23

Sandra Steingraber, research ecologist, cancer survivor and author of *Living Downstream: An Ecologist Looks at Cancer and the Environment*, will talk about how environmental factors can affect human health at 6:45 p.m. Oct. 23 at The Penn State Conference Center Hotel at University Park.

A reception and book signing will follow the event. Steingraber also will be a guest at 7 p.m. Oct. 24 on "To the Best of My Knowledge," President Graham B. Spanier's monthly radio call-in show on WPSU-FM (91.5, 106.7, 95.1, 90.1, 100.9 and 104.7).

Steingraber is currently researching breast milk contamination and prenatal risk factors for breast cancer and is writing a book on how such risk factors can influence the development of the mammary gland from fetal life through adolescence, pregnancy and menopause.

Starting at 6:45 p.m., Steingraber's presentation will be uplinked to sites servicing the 17 cancer coalitions in Pennsylvania and New York comprising the Appalachian Cancer Network. To download the presentation, contact Ann Ward at (814) 863-8693.

For more information, call Kathy Allison or Ann Ward at (814) 863-8693 or check the Web at <http://pabcerf.psu.edu/>.

Getting a jump on the future



David Esqueda, an electrical engineering student at University Park, center, talks with Kamran Shah and Chad Reeser, representatives from Raytheon, at Career Days 2000. Held last week at The Bryce Jordan Center, the event was the largest job fair ever assembled at the University and also thought to be the largest such event in North America. More than 10,000 students from nine colleges had the opportunity to learn about career opportunities, schedule interviews, submit resumes and gather information about companies from across the country. Other career fairs are scheduled throughout the fall. For information, check the Career Services Web site at <http://www.sa.psu.edu/career/fair.html>.

Photo: Greg Grieco

Penn College to participate in Online College Fair

Prospective students and their parents will be able to communicate with representatives of Pennsylvania College of Technology with just a few clicks of a mouse and some keyboard strokes when the college begins participation this fall in the Online College Fair.

The new recruiting tool — developed by the National Association for College Admission Counseling (NACAC) and offered in conjunction with Interaction Software Inc. — enables parents and students to join

live, online chat-room discussions about financial aid, scholarships and test preparation; view college campuses; and, in virtual question-and-answer sessions, learn more about what colleges and universities have to offer.

While the sessions won't take the place of face-to-face meetings with admissions representatives at college fairs or on campus tours, they do allow students access to many colleges and universities from the convenience of a computer screen at home or in school, said Chester

D. Schuman, director of admissions at Penn College.

"While the Online College Fairs enable us to expand our reach, they are just one aspect of the overall recruiting effort here," Schuman said. "We continue to offer prospective students ample opportunities for personal contact with Penn College representatives through a variety of college-fair events."

To learn more about Online College Fairs, check the Web at <http://www.OnlineCollegeFair.com/>.

Nominations sought for faculty outreach award

James H. Ryan has announced the call for nominations for the fourth annual Penn State Award for Faculty Outreach. The award, designed to recognize faculty who make significant contributions to outreach, has been supported by the Coordinating Council for Outreach and Cooperative Extension and the Faculty Senate Committee on Outreach.

Outreach is the process of extending the intellectual expertise and resources of the University through teaching, research and service to address the social, civic, economic and environmental issues and opportunities facing our Commonwealth, nation and world. Faculty members who have extended their scholarship to external constituents

resulting in a significant outcome for individuals, organizations or communities in problem-solving or development are eligible for consideration.

Full-time faculty members at all locations whose primary responsibilities are teaching, research and service are eligible, with consideration being given to the special initiatives that generate, transmit and enhance knowledge between the University and external audiences within the Commonwealth and beyond.

Nominations should include:
■ Background: A concise statement that clearly identifies the outstanding contributions of the nominee; a vita; and two letters of support from University colleagues.

■ Summary: Data that outlines the

nominee's outreach initiatives, impact of the initiatives, audiences served, problems or issues addressed and results.

■ Support: Letters from two external beneficiaries of outreach initiatives regarding the nominee's outreach activity, the value and the impact of the activity.

Nomination packets should be submitted to Jeremy Cohen, chair of the selection committee and associate vice provost and dean for Undergraduate Programs, 417 Old Main, University Park, Pa. 16802.

The deadline for submission is Dec. 18. The award will be presented at the University Awards program at the Nittany Lion Inn on March 26, 2001.

Questions should be directed to Cohen at (814) 863-1864 or jc45@psu.edu.



Arts & Entertainment

Orchestra concert

The Philharmonic and Chamber Orchestras will present a concert at 8 p.m. Monday, Oct. 2, in Eisenhower Auditorium on the University Park campus. Both orchestras are under the direction of Gerardo Edelstein, assistant professor of music.

Tickets are \$4.50 for adults, \$2.50 for students, and are available at the door before the performance or by calling the Arts Ticket Center at (814) 863-0255.

Bach's Lunch

The Penn State Clarinet Choir, directed by Smith Toulson, professor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 5, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The Clarinet Choir consists of 11 undergraduate clarinet majors and one non-major graduate student.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Joint concert

The Symphonic Band and Symphonic Wind Ensemble will present a joint concert at 8 p.m. Thursday, Oct. 5, in Eisenhower Auditorium on the University Park campus. Both bands are under the direction of Dennis Glocke, associate professor of music.

Among the pieces to be performed is Aaron Copland's Lincoln Portrait, transcribed by Walter Beeler. The piece commemorates the 100th anniversary of Copland's birth, and will be narrated by Charles Dumas, associate professor of theatre.

Tickets for the joint concert are \$5 for general admission, \$3.50 for students, and are available at the door or by calling the Arts Ticket Center at (814) 863-0255.

October Viennese Ball

The Graduate Student Association (GSA), in coordination with HUB Late Night and the Ballroom Dance Club,



Heather Kroll, left, and Joe Abraham are in "Lucky Stiff," which plays at the Pavilion Theatre through Sept. 30. For tickets, call (814) 863-0255 or (800) ARTS-TIX.

Photo: Greg Grieco

will hold a Viennese Ball, complete with a live orchestra, from 9:30 p.m. to 12:30 a.m. Saturday, Oct. 14, in the HUB-Robeson Center Alumni Hall on the University Park campus. The event is free to all students and companions, both graduate and undergraduate (two free tickets per student id). A number of \$10 tickets will be available to the public. Formal or business attire is required.

The event will feature live waltz music by Douglas Meyer and players from the Pennsylvania Centre Chamber Orchestra. Light refreshments will be served.

For information on waltz lessons,

visit the Ballroom Dance Club Web site at <http://www.clubs.psu.edu/balldance/> or the GSA Web site at <http://www.clubs.psu.edu/gsa/index.html>. Tickets are available at the GSA office and at the door.

Big band sound

The music of Frank Sinatra, Duke Ellington and Count Basie will fill the air at Penn State Abington at 2 p.m. Sunday, Oct. 15.

The City Rhythm Orchestra will bring its big band sound to Sutherland Auditorium as part of the "Best of the Burbs."

Fee for the concert is \$10 and registration is required. To register call (215) 881-7389. For more information about the event, call Sally Reinitz at (215) 881-7368.

Arts and crafts classes

The Center for Arts and Crafts at University Park is now taking registrations for the second session of fall 2000 classes, which begin the week of Oct. 16. Offerings include a new class in bronze carving and a variety of holiday-related workshops.

To register, stop by 241 HUB-Robeson Center or 11 Grange Building.

Shaver's Creek Environmental Center plans a variety of fall activities

Shaver's Creek Environmental Center near the University Park campus has a number of events scheduled for fall.

Foliage walks

In celebration of the peak autumn colors, Shaver's Creek Environmental Center will hold Family Fall Foliage Walks, a public program designed for nature enthusiasts of all ages, from 2 to 4 p.m. Sunday, Oct. 8, and Saturday, Oct. 14.

The program includes activities and education for all ages. Local naturalist

John Buzzell will lead the trail hike and help participants identify tree species, learn about their differences and help participants understand the process of how and why leaves change color in the fall season. A campfire, complete with refreshments, will follow the hike.

Open to all ages, the program costs \$4 for members or \$5 for nonmembers. Preregistration is required.

Halloween at Shaver's Creek

Tricks and treats, witches, jack-o-lanterns and elaborate costumes all are

symbols of Halloween. Find out the folklore behind the holiday at the annual Children's Halloween Trail and Festival at Shaver's Creek Environmental Center. Held from 11 a.m. to 4 p.m. Saturday and Sunday, Oct. 28 and 29, the event is geared toward children ages 4 to 10.

Pumpkin carving

In preparation for the annual Children's Halloween Trail and Festival, all pumpkin carvers, experienced and novice alike, are invited to share their carving talents at the pumpkin carving gather-

ing to be held from 6 to 9 p.m. Thursday, Oct. 26, at the center.

Shaver's Creek will provide the pumpkins — just bring a carving knife, seed-scooping spoon and creativity. All jack-o-lanterns will be used to decorate the trails and grounds during the festival.

The program is open to volunteers of all ages. Preregistration is not required.

For more information or tickets for these programs, stop by the center, call (814) 863-2000 or (814) 667-3424, e-mail ShaversCreek@outreach.psu.edu or check the Web at <http://www.outreach.psu.edu/ShaversCreek/>.



University Park Calendar

September 29 - October 8

SPECIAL EVENTS

Saturday, September 30
Penn State Tallgrass, The Bryce Jordan Center.
Tuesday, October 3
First Amendment Festival, auditorium,
HUB-Robeson Center.

MUSIC

Monday, October 2
The Philharmonic and Chamber Orchestras,
Gerardo Edelstein, director, 8 p.m., Eisen-
hower Auditorium. For tickets, call
(814) 863-0255.
Thursday, October 5
The Penn State Clarinet Choir, Smith Toul-
son, director, 12:10 p.m.,
Eisenhower Chapel.
The Symphonic Band and Symphonic Wind
Ensemble, Dennis Glocke, director,
8 p.m., Eisenhower Auditorium.
For tickets, call (814) 863-0255.

SEMINARS

Friday, September 29
Oliver Winkler on "Group Coherent States,"
11 a.m., 318 Osmond Laboratory.
Arnold J. Levine on "Transcriptional Profiles
of p53 Regulated Genes and Colon Can-
cers," 11:15 a.m., 101 Thomas.
Mike May on a subject to be announced,
11:15 a.m., 118 Agricultural Sciences
and Industries.
Alicia Swasy on "Corporate Stupidity,"
11:30 a.m. to 1 p.m., President's Hall,
Penn Stater. For tickets, call
(814) 865-7590.
Brian Black on "Towns of Light: Ethics and
Technological Intensity in the Civil War
Era," 4 p.m., 301 Steidle.
Silvia Benso on "Aesthetics: Plato, Levinas
and Art," 4 p.m., 7 Sparks.
Michael Richard "Rich" Clifford on "Bringing
the International Space Station Down to
Earth: Opportunities for the Earthbound,"
4:30 p.m., 114 Earth and Engineering
Sciences.

Saturday, September 30
Sandra Spangler on "On Hemingway's Trail,"
9 to 10 a.m., The Nittany Lion Inn.

Monday, October 2
Thomas Thiemann on "Infinite Tensor Pro-
duct Techniques," 2:30 p.m.,
318 Osmond Laboratory.

Tuesday, October 3
"Re-Envisioning the Ph.D. at Penn State for
the New Millennium," 8:30 a.m. to 1 p.m.,
President's Hall, The Penn Stater.
Mark Ediger on "Multiple Field NMR Studies
of Polymer Dynamics in Melts and
Blends: Comparison with MD Simula-
tions," 10 a.m., 140 Fenske Laboratory.



Barney's Musical Castle will be at The Bryce Jordan Center on the University Park campus at 7 p.m. Oct. 10-11. For tickets, call (800) 863-3336 or (814) 865-5555, or check the Web at <http://www.bjc.psu.edu/>.

Stephen Matthews on "Families In Con-
texts: Coupling Ethnography and GIS,"
noon, 406 Oswald Tower.
Oave Mela on "Why Do We Like What We
Like?" 4 p.m., S-209 Henderson.

Wednesday, October 4
"Tools for Gathering Information from Your
Constituents: A Panel Discussion,"
8:30 to 10 a.m., Fireside Lounge,
The Nittany Lion Inn.
Colleen Johnson on "Gender Perspec-
tives on Black American Marriage,"
noon to 1 p.m.,
108 Wartik Laboratory.

Eric Vogel on "Reliability of Ultra-Thin
Silicon Dioxide for Future MOS
Devices," 3:35 p.m., 114 Earth Engi-
neering Sciences.

Thursday, October 5
Monica Tecchio on "The Tavatron Mea-
surements of the W," 4 p.m.,
339 Ovey Laboratory
Donald W. Genson on "Preparing for a
Non-Academic Career: How Do I
Start?" 5 to 6:30 p.m., 112 Kern.
Yi-Fu Tuan on "Landscape and Politics,"
8 p.m., 102 Thomas.

Friday, October 6

Jorge Pullin on "Making Classical and Quan-
tum Canonical Gravity Solvable through a
Large Cosmological Constant," 11 a.m.,
318 Osmond Laboratory.
Allen Norbom on "Taxonomy of Fruit Flies,"
11:15 a.m., 504 Agricultural Sciences
and Industries.
Equal Opportunity Planning Committee Annu-
al Proposal Writing Workshop,
1:30 to 3 p.m.,
129A HUB-Robeson Center.
David Harvey on a subject to be announced,
4 p.m., 112 Walker.

EXHIBITS

HUB-Robeson Center
"Ell Gröniger Woodward: Metal Art,"
through Oct. 15.
"Heritage of Art and Honor," student art
work, through Oct. 2.
"Entree-Ethiopia, Prayers for Peace Africa"
and "Myth, Magic and Reality," paintings by
Betty LaOuke, through Oct. 25.
"Matters of Mind, Perceptions of the Natural
World," drawings and collages by Susan
Paragonage and Christopher Staley,
Oct. 3 through Oct. 3.
Kern exhibit area
"The OeForest Collection of Folk Pottery from
the Matson Museum of Anthropology,"
through Oct. 7.
"The Prehistory of Penn State," through
Oct. 25.
"Germany: Divided and Reunited, 50 Years of
Post-War German History," through
Nov. 30.
Palmer Museum of Art
"From Nature to the City: American Modern
Works on Paper," through Oct. 10.
"Old Master Prints and Drawings from the
Permanent Collection," Special Exhibition
Gallery I, through Oct. 10.
Pattee Library
"The Evolution of a Great Library — Penn
State University Libraries," exhibit area,
through Oct. 29.
"Faces of Children," 109 Pattee, through
Nov. 1.

Renoir exhibit area
Paintings by Jaime Ursic, through Oct. 19.
West Hall exhibit area
"The Digital Photography Studio," student
exhibition, through Oct. 27.

For a full listing of University Park activities,
including sporting events, go to the Web at
<http://cac.psu.edu/calendar/>. For a detailed
listing of upcoming Conference and Institutes
conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

PROMOTIONS

Staff

Meagan Kerber, assistant director, alumni relations at
Penn State Berks
Robert A. Lambert, technical support coordinator in
College of Health and Human Development
Benjamin E. Leiby, senior statistical analyst in College
of Medicine, The Hershey Medical Center
Diane L. Maggs, staff assistant VII in College of Agri-
cultural Sciences

Amy J. Maney, staff assistant VI in College of Agricul-
tural Sciences
Mary C. Manzoni, staff assistant VII in College of Agri-
cultural Sciences
Susan B. Marlin, staff assistant VI in The Smeal Col-
lege of Business Administration
Eleanor E. Meyer, staff assistant V in Division of Out-
reach and Cooperative Extension

Veronica M. Miller, staff assistant VII in Office of the
Vice President for Research
Dennis L. Morrison, manager, research programmer in
Computer and Information Systems — Administrative
Systems
Stephen D. Murgas, senior sport and training analyst
in Division of Outreach and Cooperative Extension
Janet R. Patterson, senior conference planner II in
Division of Outreach and Cooperative Extension



News in Brief

Lions on TV

Penn State's Big Ten football home opener with No. 22 Purdue on Saturday, Sept. 30, will be regionally televised by ABC Sports. The contest will kick off at 3:30 p.m. in Beaver Stadium on the University Park campus.

The telecast is the eighth announced TV appearance of the season for the Nittany Lions, who have appeared on television 72 times in their last 73 games, including the last 38 contests.

Town meeting

The Commission on Lesbian, Gay, Bisexual and Transgender (LGBT) Equity and Lambda Student Alliance will co-sponsor a town meeting from 7 to 9 p.m. Tuesday, Oct. 3, in the HUB-Roberson Center Heritage Hall on the University Park campus.

The town meeting is an opportunity for the University and surrounding communities to participate in a discussion regarding LGBT concerns and issues, discuss the overall vision of the commission and this year's strategic plan, and share progress on the commission's action plan for LGBT equity.

The meeting is free to the public. For more information, call the commission office at (814) 863-7696 or Neill Johnson at (814) 863-2599.

Lobbying disclosure

The Pennsylvania Commonwealth Court has held that the Pennsylvania Lobbying Disclosure Act ("PLDA") is unconstitutional. However, the Commonwealth has appealed the court's decision, and the PLDA remains in effect during this appeal process.

Consequently, the University is required to maintain compliance under the PLDA pending the outcome of the appeal. The due date for Penn State's Quarterly Expense Report under the Pennsylvania Lobbying Disclosure Act is quickly approaching. In the report, the University must disclose all lobbying activities and expenses for the months of April, May and June.

So that Penn State can meet its legal obligations under that act, it is imperative that all employee lobbying activities and associated expenses be reported to the Office of Governmental Affairs no later than Oct. 10.

The lobbying reporting forms and instructions can be retrieved from the Web at <http://www.govt.psu.edu/govaffairs/PLDA.html> or be requested directly from the Office of Governmental Affairs. Completed forms should be sent to the attention of Richard DiEugenio in the Office of Governmental Affairs, 117 Old Main, University Park.

For specific inquiries, e-mail Mary Ann Chavey at mac92@psu.edu. Include the word "lobby" in the subject line.

To view the University's policy concerning employee contacts with state and federal officials (AD 50), check the Web at <http://www.psu.edu/policies/AD50.html>.



Tippy Rosenbaum braces for what's coming, as nursing student Yasmeen McPherson prepares to give her a Hepatitis B vaccination. Students at University Park may contact the Allergy/Immunization Clinic at (814) 863-0774 to schedule a vaccination. Flu shot clinics will begin for students Nov. 8. For information, call the University Health Services at (814) 865-6556.

Photo: Greg Grano

Shooting for a Cure

What do Joe Paterno, Rene Portland and Jerry Dunn have in common besides coaching Penn State athletic teams? They'll all be speaking Friday, Oct. 13, at the Tip-Off breakfast, sponsored by Coaches vs. Cancer to benefit the American Cancer Society.

The breakfast will be held at The Penn State Conference Center Hotel. Tickets can be purchased at either the Undergraduate Student Government office in 223 HUB-Roberson Center on the University Park campus or at the American Cancer Society office at 123 S. Sparks St., State College.

Coaches vs. cancer was founded in 1993 in memory of the late Jim Valvano, former national championship basketball coach with North Carolina State University, who lost his battle with cancer. Coaches vs. Cancer is a nationwide organization partnered with The American Cancer Society and The National Association of Basketball Coaches. To date, Coaches vs. Cancer has raised more than \$10.6 million for the American Cancer Society.

For more information, call (814) 863-1874.

Abington open house

Penn State Abington will hold its annual open house for prospective students and their families from 11 a.m. to 2:30 p.m. Sunday, Oct. 29.

The program will be held in the

Physical Education Building, and will feature tours of the campus and the opportunity to talk with faculty and people from admissions and student programs. The event showcases student services including various clubs and organizations, career development and the honors program.

Interested students who are unable to make the Oct. 29 open house may attend a smaller program from 6 to 8:30 p.m. Nov. 15.

To register for either event, or for more information, call (215) 881-7351 or check the Web at <http://www.abington.psu.edu/>.

New awards program

The Commonwealth College has unveiled an annual awards program designed to recognize the outstanding accomplishments and performance of faculty and staff within the college.

The college will present up to 14 total awards annually in three categories: faculty excellence; staff excellence; and faculty, staff and technical service combined. The first awards will be conferred during spring 2001.

Guidelines and nomination forms for each award are posted on the college's redesigned Web site at <http://www.home.psu.edu/2000/FacStaff/facultyawards.html>. Anyone can nominate any Commonwealth College faculty or staff member for an award by completing the online nomination form, writing a short letter of support

(no more than two pages), and providing the additional information requested in the nomination form.

All nomination materials must be submitted to the Commonwealth College Dean's Office no later than Dec. 1.

Library tours

Need some help navigating the new Pattee Library and Paterno Library complex on the University Park campus? Tours of the facility are now being offered three days a week throughout the fall semester: Tuesdays at 2 p.m., Wednesdays at 3 p.m. and Thursdays at 11 a.m.

The tour takes about an hour, and highlights how the facility has changed since the construction and renovation. No registration is needed for individuals. For group or special needs tours, call Instructional Programs at (814) 865-9257 or the Gateway Commons at (814) 865-6368.

All tours begin in the Pattee Library lobby by the Original Nittany Lion exhibit. For more information, call Loanne Snavely at (814) 865-9257.

Article ordering service

Students, faculty and staff may now order articles online from more than 18,000 multidisciplinary journals at no charge, thanks to the University Libraries' new subsidized article ordering service.

Called UnCover, the service faxes articles directly to the user within 48 hours of the order. University Park patrons without a fax machine may have articles faxed to Interlibrary Loan at (814) 865-0071 and then may pick them up at the Circulation Desk in Pattee Library. Users at other locations should consult the campus' library for delivery options. Some articles are available in TIFF format for users to download directly to their computers.

Users may access UnCover from the LIAS "Fast Track" at <http://www.lias.psu.edu/>, or from the new "Request It and Go" Web site at <http://www.libraries.psu.edu/liasweb/llr/requestitandgo.htm>. This site links to UnCover and other subsidized databases from which users can order articles and books at no charge, including databases that specialize in the sciences, arts and humanities, and more.

For more information, call Interlibrary Loan at (814) 863-1367 or e-mail illoan@psu.lias.psu.edu.

For the Record

In a story on page 1 of the Sept. 21 Intercom about a national Science Foundation creating a new interdisciplinary research center, two names were omitted from the list of faculty members involved with the project. Those faculty members are Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy, and David E.W. Vaughan, professor of materials in the Materials Research Laboratory.



Private Giving

Garban memorial gifts to support several initiatives

The family and friends of Penny A. Garban have made gifts totaling \$200,000 in her memory to support several initiatives at the University.

Garban died in an accidental drowning in 1997.

She was married to longtime Penn State administrator Steve A. Garban, who retired in 1993 as the University's senior vice president of finance and operations/treasurer emeritus after 33 years of service.

The family directed \$150,000 to help build the Hintz Family Alumni



THE
PENN STATE
CAMPAIGN

Center, now under construction.

The center will provide welcoming and orientation facilities for visiting alumni and office space for the Penn State Alumni Association.

It is being built entirely with private funds.

The center's library will be named

in memory of Garban, who worked as a coordinator in the Alumni Association.

The family also has created two endowments in memory of Garban: one in cardiology at The Milton S. Hershey Medical Center to provide research support in the areas of arterial fibrillation and congestive heart failure, and the other for an undergraduate golf scholarship for women.

Steve Garban earned a bachelor's degree in business administration from Penn State in 1959.

The University named him a Distinguished Alumnus, the highest honor it bestows on its graduates, in 1995 in recognition of his many years of service as a financial officer, including 12 years as senior vice president and treasurer.

Steve and Penny Garban's sons, Andrew and Douglas, daughter-in-law D'Anne, and grandson, Alex, all reside in State College.

A daughter, Donna, and her husband, Wil Hinds, and granddaughter, Penelope, live in Hoboken, N.J.

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085. Or register online at <http://www.okr.psu.edu/webClassic/catalog/healthmatters.cfm>.

■ Physical Dimension — WEL 220

This is part one of the Dimensions of Wellness Series. Learn how to unlock the door to achieving your own optimal physical wellness. Meets noon to 1 p.m. Wednesday, Oct. 4, in 125 Reber Building. Cost: \$5. This session is HealthAmerica HMO reimbursable.

■ Take Charge! Your customer rights as a health care consumer — WEL 120

Learn how you can have control in choosing a doctor, making decisions in which treatments you receive and how to make the most during your visit to the doctor. Meets 11:30 a.m. to 12:30 p.m. Thursday, Oct. 5, in 125 Reber Building. Cost: \$10. This session is HealthAmerica HMO reimbursable.

Finishing touches



Workers from the Office of Physical Plant were busy recently putting in a new sidewalk in front of Weaver Building on the University Park campus. The area is next to the recently completed Paterno Library.

Photo: Greg Grieco

Arts and Architecture announces 2000 Alumni Fellow

John Driscoll, art gallery owner and director, is the College of Arts and Architecture recipient of the 2000 Alumni Fellow Award.

Driscoll is owner/director of Babcock Galleries in New York City, which was established in 1852 and is the oldest gallery in the country that from its inception has devoted itself to American art. Driscoll also has worked as a curator and guest professor at several museums and universities in New England, including the Graduate School of Architecture at Yale University. Driscoll serves on the board of the Art Dealers Association of America and holds a variety of memberships and associations.

In addition to his professional activities as an art dealer, Driscoll teaches American art courses at New York University and continues to actively contribute to the profession as a scholar, organizing exhibitions, contributing essays and articles to journals, catalogs and books, and appearing as a guest lecturer and on moderated panels.

Driscoll earned his master's degree in 1974 and doctoral degree in 1985 from the University. He currently serves the University as a member of the Palmer Museum of Art Advisory Board and of the Grand Destiny Campaign Committee for the College of Arts and Architecture. He also is a member

of the Mount Nittany Society and the President's Club.

The Alumni Fellow program is designed to invite the Alumni Fellows, as leaders in their respective professional fields, to return to specific colleges of the University to share their expertise with students, faculty and administrators. The Fellows teach classes, lead seminars and meet informally with students and faculty for a few days each fall.

The designation of Alumni Fellow is the most prestigious award given by the Penn State Alumni Association. The board of trustees has designated the title of Alumni Fellow as permanent and lifelong.



Penn Staters

Art Anderson, professor of architecture, assisted in inaugurating a new Semester-at-Sea Summer program with the University of Pittsburgh's Institute of Shipboard Education for a 65-day exploration of Europe and the Mediterranean. Anderson taught two courses: one related to architecture and the environment and the other exploring contemporary architectural theory using nine ports of call for field studies. The voyage began in Athens and visited in sequence the ports of Cadiz, Spain; Oslo, Norway; St. Petersburg, Russia; Antwerp, Belgium; Lisbon, Portugal; Civitavecchia, Italy; Alexandria, Egypt; and Haifa, Israel.

Charles E. Bakis, associate professor of engineering science and mechanics, presented a paper, "A Back Stress Constitutive Model for High Temperature Deformation of SIC Monofilaments" at the ninth Japan-U.S. Conference on Composite Materials in Mishima, Japan. The conference focused on research in high-performance composite materials.

Charles Garoian, director of the School of Visual Arts and professor of art education, was the keynote speaker at a symposium on performance art titled, "Heart Murnur: Collaborations, bodies, words (low)" in Bristol, England. The symposium was cosponsored by Bristol University, the School of the Art Institute of Chicago and Arnolfini Gallery. Garoian also presented "New Dimensions: Expanding Minds Through the Arts," as keynote speaker at the Young Audiences of Indiana and the Indianapolis Museum of Art Summer Arts Education Institute; and he was an invited performer in Werkleitz-Torinitz, Germany, at the Werkleitz International Biennale of Film, Video and Performance Art. He performed "Breaking Water," a live work in which his cultural history as an ethnic Armenian served as a strategic metaphor to challenge cultural oppression.

Robert A. Gray, assistant professor of electrical engineering technology, has been named this year's William E. Jackson Award winner by the organization Requirements, Technology, and Concepts for Aviation. He received the award for research related to his dissertation, "Inflight Detection of Errors for Enhanced Aircraft Flight Safety and Vertical Accuracy Improvement Using Digital Terrain Elevation Data with an Inertial Navigation System, Global Positioning System and Radar Altimeter." The organization includes more than 200 government, industry and academic organizations internationally, including representation from all facets of the aviation community.

Joyce Hilder-Kaye, associate director for training at the Center for Counseling and Psychological Services was recently elected to a three-year term on the board of directors of the Association of Psychology Postdoctoral and Internship Centers. The association was organized to facilitate the achievement and maintenance of high-quality training in professional psychology and to facilitate the exchange of information among institutions and agencies that offer doctoral internship and/or postdoctoral training in professional psychology.

Alan Jiricanto, associate professor of chemistry at Penn State Erie, presented a poster, "Synthesis and Structure of Transition Metal Complexes of 2-Thienylpyridyl Ketone," at the American Crystallographic Association annual meeting, held in St. Paul, Minn.

Loukas Kalisperis, associate professor of architecture, and **Gerald Lang**, professor of art and director of The Digital Photography Studio, each received an Apple Distinguished Educator Award. They were the only faculty members chosen from the same university and the same college to receive the award, which recognizes educators who most innovatively integrate technology into the curriculum.

Amir Khalilollahi, assistant professor of mechanical engineering, and **Enayat Mahajerin** of Saginaw Valley State University, presented "Finite Element Evaluation of Temperature and Stress Distributions in a Composite Circuit Board" at the International Conference on Composites Engineering in Denver, Colo.

Archie Loss, professor of English and American studies at Penn State Erie, presented "Ulysses for the First-Time Reader" at the Joyce 2000 Conference, held at the University of London. This event was the biannual meeting of the James Joyce Foundation.

Two traveling art exhibitions curated by **George Mauer**, distinguished professor emeritus of art history and a fellow emeritus and former director of the Institute for the Arts and Humanistic Studies, are currently on display in Europe. "Cuno Amiet: From Pont-Aven to Brücke" originally opened in Bern, Switzerland, at the Kunstmuseum Bern. The exhibition is now at the Musée Rath in Geneva through Jan. 7, 2001. The second exhibition, "Manet: The Still Life Paintings," opens Oct. 11 at the Musée d'Orsay in Paris and will run through Jan. 7, 2001. It will then move to the Walters Art Gallery in Baltimore, Md., to run from Jan. 30 to April 22, 2001.

Barnes W. McCormick, Boeing professor emeritus of aerospace engineering, presented a keynote address at the 2000 Vertilite Conference in Canberra, Australia. His presentation, "Rotorcraft R&D — Then and Now," covered helicopter research and development from 1955 through the present.

Annie McGregor, assistant professor of theatre, presented "Analysis of Nonverbal Structures of Time in Shakespeare's Troilus and Cressida," at the Projet de Colloque conference at the Théâtre Universitaire de Franche-Comte in Besancon, France. The conference, a meeting of scientists and artists, assembled to explore the concept of time. McGregor also attended the Cuban Organization of International Scenographers, Technicians and Architects of Theatre meeting held in conjunction with the Caribbean Performing Arts Festival in Santiago de Cuba, where she discussed new methods of script development using parts of her recent collaboration with **Rick Thomas**. Their presentation included video footage of the first production of their script "The Creature," which allowed discussion of multimedia presentation and text development.

Todd Palmer, assistant professor of business law and management, **Mary Beth Pinto**, assistant professor of marketing, and **Diane Parente**, assistant professor of management, all at Penn State Erie, presented "College Students' Credit Card Debt

and the Role of Parental Involvement: Implications for Public Policy," at the Public Policy and Marketing Conference in Washington, D.C.

Diane H. Parente, assistant professor of management, presented "Innovative Education in Operations Management and Technology" at the Academy of Management in Toronto. She served as organizer for this session at the national meeting. Parente also has been named secretary to the Operations Management Division of the Academy of Management.

Clare Porac, director of the School of Humanities and Social Sciences and professor of psychology at Penn State Erie, and colleague **Alan Searleman** presented "Hand Preference Switch History and Physical Well-being in Older Left-handers" at the meetings of the Canadian Psychological Association in Ottawa, Ontario. They also presented "Hand Preference Side and Cognitive Performance in Older Adults" at the meeting of the American Psychological Association in Washington, D.C.

Mark Pyron, assistant professor of biology, presented "Fishes of Presque Isle Bay, Lake Erie," at the annual meeting of the American Society of Ichthyologists and Herpetologists in La Paz, Mexico.

Kimberly Skarupski, director of research at Penn State Erie's Center for Organizational Research and Evaluation and assistant professor of psychology, served on the Department of Health and Human Services' Agency for Health Care Research and Quality Special Emphasis Panel Translating Research into Practice in Rockville, Md. The panel of 26 reviewers rated 51 applications to award \$7 million in funding.

Peg Thoms, associate professor of management at Penn State Erie, made two presentations at the Academy of Management's 2000 meeting in Toronto, Ontario. Her presentations were "Relationships Between Accountability, Job Satisfaction and Trust" and "Researching a Touchy Subject."

Sam Y. Zamrik, professor emeritus of engineering mechanics, presented a keynote address at the 2000 U.S.-Korea Conference on Science, Technology, Entrepreneurship and Leadership in Chicago. The conference promotes international cooperation, especially between the United States and Korea, in the use of science and technology to advance human welfare.

The library at Penn State Harrisburg has been given "Featured Member Library" status on the home page of the Online Computer Library Center Inc., the world's largest library consortium. The center is the predominant library network in the world, including more than 35,000 libraries in 67 countries.

Penn State Public Broadcasting's WPSX-TV won a Mid-Atlantic Emmy Award in the Outstanding Sports Series category for "Center Court with Rene Portland." Receiving awards were **Anne Moss**, host; **Bill Amin**, producer; **Don Hampton**, segment director; **Jennifer Bortz**, audio specialist; and **Matt Chirdon**, graphic designer.



Focus on Research

In 1933, young Kathy wrote to President Herbert Hoover:

"What are the chances of there ever being a woman president of the United States?"

Hoover replied, "Men have not done too good a job of government in the world in the last 47 years and the chances for the women are thereby increased. With good wishes to you if you are a candidate for president about 30 years hence."

Book unveils letters from the presidents to our children

By VICKI FONG
Public Information

A new book, *Dear Young Friend: The Letters of American Presidents to Children*, traces the evolution of the U.S. presidency from aristocracy to mass media through the letters of children to the White House.

"Much of the presidential mail to children illuminates little-known aspects of our chief executives, even those whose personalities as well as presidencies seem almost to have faded from history," said authors Rodelle and Stanley Weintraub.

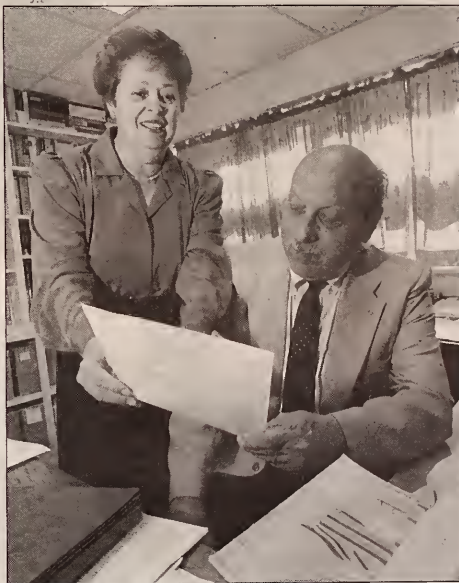
"Even popular presidents unveiled a side not always seen by the public. The letters provide a striking lens that allows us to examine the development of an increasingly more public presidency," said Stanley Weintraub, Evan Pugh professor emeritus of arts and humanities.

Dear Young Friend: The Letters of American Presidents to Children is published by Stackpole Books of Mechanicsburg, Pa.

As expected, the early correspondence from American presidents such as Washington and Jefferson was mostly to young family members. But in the late 1800s, as public education became widespread and more children acquired reading and writing skills, the practice of writing to the president had become a tradition, the authors said. Many of the least-known occupants of the Oval Office show an almost unexpected humanity: Benjamin Harrison sends a doll to a 4-year-old who charmed him when his train stopped briefly at a town in Indiana. "My dear little friend... If the doll could talk, she would tell you how much I love to be loved by little children," he wrote.

"The surprises are to see how a Fillmore, a Pierce, a Garfield or a Hayes reacts to young people," the Weintraubs said. "Among other forgettable chief executives, one finds glimpses of a private integrity and charm, that the public record seldom if ever reveals. James Garfield, whose term was cut short by assassination, cautions his sons not to gloat over his nomination to the presidency."

By the mid-20th century, the personal letters mainly disappeared and most mail from children, even in less



Rodelle and Stanley Weintraub go over one of the letters they researched for their book, *Dear Young Friend: The Letters of American Presidents to Children*.

Photo: Greg Gieroko

chaotic periods, was fielded mostly by staff. However, the authors found examples where real emotions did overtake even the most politically cynical of administrations.

As part of their research, the Weintraubs reviewed thousands of letters located in state historical societies and modern presidential libraries. The late John Coolidge gave them copies of letters from his crusty father, which are included in the book.

Through the letters, issues such as education, citizenship and national purpose appear in tandem with personal problems, from a dog to a bike or a job. A young Fidel Castro asked Franklin D. Roosevelt for a "ten dollar bill green american" in an unanswered

letter.

"We see the continuing and sometimes changing concerns of the presidential office and its occupants and how these concerns are approached in letters to young people," Stanley Weintraub said. "Americans have survived large men and small men in the great office, and most of the small ones have been individuals in whom one could take some pride. The system works, and we can see it working in miniature scale here."

For more on this story, including video interviews with the authors and audio files of some of the correspondence, check the Newswire Plus Web site at <http://www.psu.edu/ur/stories/DearYoungFriend/index.html>.

Artificial heart researchers to work with Abiomed Inc.

Researchers from the College of Medicine will be working with a new corporate partner as they continue their work on the total electric artificial heart.

Abiomed Inc., a recognized leader in the field, announced that it has entered into agreements to acquire the exclusive rights to Penn State's implantable replacement heart — the Penn State Heart — as well as the assets of BeneCor Heart Systems Inc., a company recently created to commercialize the Penn State Heart. The transaction includes arrangements for Abiomed to begin a collaborative relationship with Penn State, the College of Medicine and The Milton S. Eshelman Medical Center.

Abiomed intends to pursue the commercialization of the Penn State Heart at its Danvers, Mass. facility.

For more on this story, check the Web at <http://www.psu.edu/ur/2000/abiomed.html>.

For information on Abiomed, check the Web at <http://www.abiomed.com/>.

Chandra marks first anniversary

NASA's Chandra X-ray Observatory celebrates its initial year in orbit with an impressive list of firsts. Through Chandra's unique X-ray vision, scientists have seen for the first time the full impact of a blast wave from an exploding star, a flare from a brown dwarf, and a small galaxy being cannibalized by a larger one.

Chandra's Advanced CCD Imaging Spectrograph (ACIS) X-ray camera was conceived and built by a team led by Gordon Garrmire, Evan Pugh professor of astronomy and astrophysics. It is the third in NASA's family of great observatories, complementing the Hubble Space Telescope and the Compton Gamma Ray Observatory.

Perhaps one of Chandra's greatest contributions to X-ray astronomy is the resolution of the X-ray background, a glow throughout the universe whose source or sources are unknown. Astronomers are now pinpointing the various sources of the X-ray glow because Chandra has resolution eight times better than that of previous X-ray telescopes, and is able to detect sources more than 20 times fainter.

For more information, visit the Chandra X-ray Observatory Web site at <http://chandra.nasa.gov/>

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Old Main Open House



Photos: Greg Grieco

President Graham B. Spanier welcomed guests to his office last week during the annual President's Open House in Old Main on the University Park campus. **Above**, he entertained Tammy Williams and Cathy Kennedy of State College with some card tricks. **At right**, he greeted Chris Weakland and her children, Katie and Tyler, as they arrived.

The event was coordinated through the Lion Ambassadors and featured entertainment by the Penn State Performing Magicians, which has Spanier as its club adviser.

During the open house, visitors also had the opportunity to meet Janis Jacobs, vice president for administration; tour the executive offices and the bell tower; and enjoy light refreshments.





Intercom

INFORMING THE PENN STATE COMMUNITY

OCTOBER 5, 2000

Volunteering an essential part of the Penn State experience

By AMY NEIL
Public Information

Instead of visiting friends and family, 25 University students will spend fall break expanding their awareness of social issues through community service in Philadelphia. They will be participating in the second annual Fall Break Urban Experience Service Weekend Oct. 6-9, coordinated by the Council of Lion Hearts through Penn State's AT&T Center for Service Leadership.

Students will spend their extended weekend working with agencies and programs that advocate for underprivileged and under-represent-

ed people. They will leave for Philadelphia after classes on Friday, and begin their workday at 9 a.m. Saturday.

Students will be taken to various service sites, including the Crittenton Family Support Center, which runs intervention programs for children, and the Eliza Shirley Salvation Army Center, where they will prepare and serve meals for the homeless. Some students will help construct a house for Habitat for Humanity, while others will serve meals and read to clients at the Brotherhood Mission. Students will revisit these sites on Sunday.

On Monday, students will do yard work at the Francis Cope House and

play with children and clean at the Peoples Emergency Shelter. A group of students will be going to Temple Continuing Care to walk patients to rehab services and then help with the soup kitchen at the Mercy Hospice.

In addition to volunteer projects, students will participate in discussions to reflect upon their service experiences and expand their perception of how they can contribute to the lives of others.

"Students will be challenged not only to give of themselves, but also to consider ways they could work toward the improvement of social conditions for all people in the future," said Matt Ishler, graduate assistant in the AT&T

Center for Service Leadership. This year's volunteer corps also will include students from Penn State Abington and Penn State Delaware County, in addition to the 25 students from University Park.

"Last year was the first time we have attempted a trip like this. We took 12 students for an overnight trip. They spent the day cleaning and repairing the Children's Crisis Treatment Center, a day facility for preschool children who experienced or witnessed violent crimes," said Carol German, director of the AT&T Center for Service Leadership.

Volunteering, page 2

Health check



Melinda Dorian, a senior studying finance at University Park, checks her pulse and enters it in her journal for her fitness walking class. The class, taught by Mary Ellen Litzing, instructor in kinesiology, walks between two and three miles during each class, and charts its progress.

Photo: Greg Grieco

Benefits enrollment begins Nov. 1

The Employee Benefits Open Enrollment period will occur from Nov. 1-22. During this time, employees will have the opportunity to enroll themselves and eligible dependents in a University-sponsored medical plan or to change from one medical plan to another.

Additionally, employees may enroll or change the amount of VADD coverage and make changes to life insurance programs. All employees who wish to participate in a Flexible Benefits Reimbursement Account for 2001 MUST enroll, even if they participated in 2000 and wish to continue at the same contribution level in 2001.

As announced in the Sept. 28 *Intercom*, the Employee Benefits Division has implemented a Web-based open enrollment system this year. This new program improves the efficiency, accuracy and timeliness of the traditional paper-based system. Faculty and staff may make and submit their benefit choices from anywhere in the world during the open enrollment period, and electronic confirmation of the choices made will be returned within minutes.

Benefits, page 2

Volunteering

Continued from page 1

Lakshman Yapa, associate professor of geography and a recent recipient of the Penn State Award for Faculty Outreach, said volunteer service is important to the personal growth of students as citizens. Yapa's student service-learning project, "Rethinking Urban Poverty: The Philadelphia Field Project," combines volunteer activities with academics.

Sponsored by the Department of Geography and The Schreyer Honors College, students in the Urban Poverty program spend several weeks in the summer in West Philadelphia doing community service projects and learning about urban issues.

"Among the more important innovations that President Graham B. Spanier has introduced at Penn State is the initiative to create educational projects that integrate teaching, research and service," said Yapa.

As part of their service, the students gain new knowledge by producing research papers that directly address problems identified by members of the community.

"Students who have participated in this project have told me that the opportunity to live in the inner-city encountering the routine everyday happenings of shopping for food, taking public transport, being aware of safety and simply relating to a diversity of lifestyles, has been a defining experience of their lives," said Yapa.

According to German, many students have little or no understanding of the issues and conditions associated with urban poverty.

"We hope that students in the project will develop a new frame of reference to apply while considering issues such as urban hunger, homelessness and unemployment," said German. "Students come face-to-face with a level of need they have never seen that opens opportunities for discussion on how to create social change."



Volunteer Darcy Babcock, an accounting and international business student, cleans a play area outside of the Children's Crisis Treatment Center in Philadelphia. Babcock was one of a dozen students who traveled to the center last year during the first Penn State Fall Break Urban Experience.

Student involvement in volunteer work and community service is an important educational component at Penn State. A recent University survey indicates that 57 percent of Penn State students have done community volunteer work since arriving at the University, at an average of more than two hours of

volunteer work a week.

In 1999, two class-free days were added to Penn State's academic calendar, to help reduce the stress levels of students. The two-day break does not apply to University faculty and staff, who are expected to keep normal business and office hours.

Benefits

Continued from page 1

The only requirements to use this system are an Internet-connected computer and an access account from the Center for Academic Computing (CAC). Most faculty and staff currently have access accounts and use them to send and receive e-mail through the University.

To make benefits changes for 2001:

- Access the Employee Benefits Division Web page at <http://www.ohr.psu.edu/benefits/html>, or through a link at the University home page at <http://www.psu.edu/>.

- On the Benefits Web page, click on the link for "Open Enrollment for 2001."

- To review current benefits, click on the "REVIEW" option in the frame on the left.

- When prompted, employees should enter their CAC access account ID and password.

- The account ID and password will be validated, allowing the employee to make changes.

- To change medical plans or, if enrolled in an HMO, to change prescription drug plans, click on the Medical Plan selection in the frame on the left. Medical plan options are determined by county of residence.

- After completing each section, remember to click on the "Save to Application" button found at the bottom of each page. This will save the changes that have been indicated.

- Remember that the Flexible Benefits Accounts for Health Care Reimbursement and Dependent Care Reimbursement expire at the end of each year. Therefore, new elections forms must be submitted annually, even if the amount contributed per pay is the same.

To complete this election form, click on the "Flex Accounts" option in the frame on the left.

- After all changes have been made, go to the "SUBMIT" page to send them electronically to the Employee Benefits Division.

- Within a few minutes of the submission, an e-mail will be sent to the employee, confirming the benefits choices for 2001 and a paper confirmation statement will be mailed to the employee's home in early December. If there are changes to be made, the employee should indicate those changes on the paper confirmation statement and return it to the Employee Benefits Division.

Employees who do not wish to make any changes to their benefits and do not wish to contribute to flexible reimbursement accounts, do not need to do anything.

This information, including employee contribution amounts for 2001, is available on the Web site by clicking on "Time to Choose Your Benefits Options 2001."

During the open enrollment period, staff members from the Employee Benefits Division will be available to assist with any questions regarding the Web-based enrollment process as well as answer any benefits related questions. Additionally, personal computers will be available in the Employee Benefits Division office, as well as at each University Park Benefits Open House.

Questions regarding the Web-based enrollment system or the open enrollment period should be directed to the Employee Benefits Division at (814) 865-1473 or by e-mail at bene@psu.edu.

PRIVATE GIVING

Couple donates \$600,000 to Department of English

George and Barbara Kelly of Palo Alto, Calif., have given \$600,000 to the Department of English in the College of the Liberal Arts to establish three separate endowments in support of American literature.

In 1999, the Kellys established their first endowment with a \$50,000 gift, creating the Emily Dickinson Lectureship in American Poetry. As they became more familiar with the English department, they established the George and Barbara Kelly English Endowment for Library Support with a gift of \$50,000, as well as the George and Barbara Kelly professorship in American literature in the College of the Liberal Arts with a gift of \$500,000.

George and Barbara Kelly met at Penn State shortly before graduating and met again in California, where George went to work for Deloitte and Touche, an international accounting firm, and Barbara began teaching junior high school. Shortly after they married, George received his MBA from the University of California at Berkeley, and for the next few decades they raised four children and put them through college. George Kelly has since retired from Deloitte and Touche and serves on several corporate boards.

In 1988 Barbara decided to go back to school and enrolled at San Jose State University, earning a master's degree in English literature in 1990. She has written bibliographies and book reviews for the journal *Dickinson Studies*, and indexed five years of the journal. She currently serves as book review editor for the *Bulletin*, a journal of the Emily Dickinson International Society.



Lectures

Pulitzer Prize-winner headlines writers' conference

Pulitzer Prize-winning journalist and novelist Anna Quindlen will give the keynote address for the fall Foster Conference of Distinguished Writers on the evening of Monday, Oct. 16. Quindlen's talk, "Living (and Loving) the Writer's Life," which is free to the public, will be held at 7 p.m. in Schwab Auditorium on the University Park campus.

The fall conference, which runs Oct. 16-20, also will feature Mark Bowden, staff writer for *The Philadelphia Inquirer*, and Jerry Schwartz, national writer for *The Associated Press*. In addition to meeting with individual College of Communications classes throughout the week, Bowden and Schwartz will participate in a general convocation open to the public from 9:45 to 11 a.m. Tuesday, Oct. 17, in the Foster Auditorium in Pattee Library. Schwartz will stay on campus throughout the week to meet with classes and individual students.

Gene Foreman, professor of communications, directs the twice-a-year conferences.

Over the last 25 years, Quindlen's work has appeared in some of America's most influential newspapers, many of its best-known magazines and on both fiction and non-fiction bestseller lists. A columnist at *The New York Times* from 1981 to 1994, she became only the third woman in the paper's his-



Anna Quindlen



Mark Bowden



Jerry Schwartz

tory to write a regular column for its Op-Ed page in 1990. A collection of those columns, *Thinking Out Loud*, was published by Random House in 1993 and was on the *Times*' bestseller list for more than three months. In 1992, Quindlen won the Pulitzer Prize for Commentary.

Bowden has reported for *The Inquirer* for more than 20 years. His work for the paper has led to three non-fiction books: *Dr. Dealer* (1989), about a dentist convicted of selling cocaine; *Bringing the Heat* (1994), about the Philadelphia Eagles' 1992 season; and *Black Hawk Down* (1999), about the ill-fated battle in Mogadishu in 1993 that left 18 American soldiers dead and more than 70 wounded.

Schwartz has worked for *The Associated Press* since 1977, when he joined the news Service's New York City bureau as a reporter and editor. Over the course of a dozen years, he covered everything from the rise of AIDS to the travels of Pope John Paul II, from urban crime to the national news media. For the past two years, he has been a national writer. His stories have won honors from the Associated Press Managing Editors association and *Esquire* Seals.

For more information, call Angie Brown at (814) 865-8801 or e-mail aab7@psu.edu.

Library to hold lunchtime video series

The Earth and Mineral Sciences Library is offering a fall semester lunchtime video series highlighting the various subject areas in the College of Earth and Mineral Sciences.

Showings take place from noon to 1 p.m. every Tuesday and Thursday through Dec. 14 in the Earth and Min-

eral Sciences Library, 105 Deike Building, University Park.

A schedule is posted on the Web at <http://www.libraries.psu.edu/pubinfo/news/fallsemvideos.html>.

For more information, call Linda Musser at (814) 863-7073 or e-mail lrm4@psu.edu.

Inaugural e-Scholars retreat to be held Oct. 10 at University Park

In an effort to build a community of practice in e-Business research at Penn State, the eBusiness Research Center is hosting a University-wide e-Scholars Retreat.

The event — the first of its kind at the University — is scheduled to take place from 7:30 a.m. to 4:30 p.m. Oct. 10 at The Nittany Lion Inn on the University Park campus.

The objectives of the e-Scholars Retreat are to formalize research affiliations between faculty and the center, and to identify areas for collaborative research in the e-Business space. The retreat also will help to identify other areas for collaboration, such as funding sources and research sites, and develop eBRC programs, structures and processes for research affiliates.

Architecture lecture series examines the design thesis

The Department of Architecture in the College of Arts and Architecture is sponsoring a series of forums, "REBOOT: Rethinking the Design Thesis," for its Fall 2000 Lecture Series.

The forums will address topics including architectural research, the value of thesis work outside of the classroom and how to prepare for the design thesis. The next forum in the series will be at 4 p.m. Friday, Oct. 13, in 101 Engineering Unit D. A reception will follow the event, which is free to the public.

The Oct. 13 forum will feature Liz Falletta and Jonathan Cantwell of the Southern California Institute of Architecture, where students are actively engaging communities outside the classroom by embarking on investiga-

tions that uniquely tie theoretical questions to actual problems.

The series will bring together recent architecture graduates from universities throughout the country with current architecture students and the extended University community to debate the educational value of the design thesis. The graduates, who will act as forum presenters, represent five participating architecture schools.

Subsequent forums will be held Oct. 27, featuring Andrew Mazar and Mike Tower of Yale University, and Nov. 10, featuring graduates Derk Hedel of Princeton University and Maria Wisterlath of Cooper Union for the Advancement of Science and Art. Each forum will begin at 4 p.m. in 101 Engineering Unit D.

Second VOICE Box set for Oct. 12

VOICE Box will host its second session of the semester, "Recent General Education Revisions: Implementation and Assessment," from noon to 1 p.m. Thursday, Oct. 12, in the Stately Conference Room in 202 Hammond Building on the University Park campus.

Ingrid Blood, associate vice provost for Undergraduate Education and chair of the General Education Assessment Interest Group; Gus Colangelo, assistant professor of management and coordinator of the First-Year Experience program in The Smear College of Business Administration; and Tom Litinger, director of the Leonhard Center and member, General Education Assessment Interest Group, will lead the discussion.

The presenters will focus on current efforts to assess the impact of the general education revisions and the results of those efforts. Particular emphasis will be placed upon the impact of first-year seminars and the potential for a broader assessment of the impact of General Education on students.

The Schreyer Institute for Innovation in Learning and the Leonhard Center sponsor VOICE Box on a biweekly basis throughout the semester, featuring different topics at each session. Staff and students may bring a bag lunch. Drinks will be provided.

For more information or to be added to the VOICE Box e-mail list, e-mail the Schreyer Institute at svs8@psu.edu or check the Web at <http://www.inov8.psu.edu/>.

Program discusses African American religion and culture

Will Coleman, CEO and president of BT Forum, theologian and minister, will speak on "Living with Ancestral Memory and Prophetic Vision: A Study of the Values Formation and Transformative Powers of African American Reli-

gion and Culture" at 7:30 p.m. Wednesday, Oct. 11, in the HUB-Reboshon Heritage Hall, University Park.

For more information, call the Center for Ethics and Religious Affairs at (814) 865-6343.

Satellite broadcast to give HIV prevention information

"HIV Prevention Update: Men Who Have Sex with Men," a satellite broadcast of the Centers for Disease Control and Prevention and the Public Health Training Network, will be offered from 1 to 3 p.m. Nov. 30 in Studio D Mitchell Building, University Park.

The program is designed for those providing HIV prevention and other services for homosexual men. To register, call Jaclyn Cochran at (814) 863-0461 or e-mail jhc125@psu.edu. For more information, e-mail Susan Kennedy at slk5@psu.edu.

port request from Pennsylvania businesses.

To participate in the research portal, register online at <http://www.ebrc.psu.edu/scholars.html>.

The eBusiness Research Center is a joint effort of The Smear College of Business Administration and the School of Information Sciences and Technology.



News in Brief

Library open house

The Social Sciences Library on the University Park campus will kick off fall break with an open house for faculty and students from 4 to 6 p.m. Friday, Oct. 6, on the second floor of Paterno Library.

This subject library, which serves researchers in all social sciences disciplines, contains document and statistics collections, government data, law materials and periodicals, and provides electronic access to local, national and international news sources.

Tours of the Pattee Library and Paterno Library complex will be offered on the half-hour, in addition to virtual tours of the Social Sciences Library's Web site and the LIAS "Fast Track" databases on the quarter-hour.

Faculty members are encouraged to bring their students and colleagues to the event. No registration is required.

For more information on the Social Sciences Library, go to <http://www.libraries.psu.edu/crsweb/docs/ssmain.htm>.

Football on TV

Penn State's Big Ten clash at Minnesota on Saturday, Oct. 7, will kick off at 12:10 p.m. at the Metrodome in Minneapolis.

The contest will be televised either by ESPN, espn2 or ESPN Regional. Which of the three networks that will carry the game is dependent upon the results of Major League Baseball's division series, and that may not be known until the night before kickoff.

The telecast is the ninth announced TV appearance of the season for the Nittany Lions, who have appeared on television 73 times in their last 74 games, including the last 39 contests.

Award nominations sought

Nominations are being accepted for the 2001 Excellence in Advising Award. This award was established by the Undergraduate Student Government's Academic Assembly with support



J.R. Rowe, an employee of Pool Anderson, works on one of the two new access ramps being installed at the main entrance of Hosler Building on the University Park campus. When completed, the redesigned entrance will meet requirements for accessibility under the Americans with Disabilities Act.

Photo: Greg Grieco

port from the Office of Undergraduate Education, to encourage and reward advising excellence.

Awards will be given in two categories: faculty members and professional academic advisers. All current, full-time employees with at least two years of University service who fit into one of these categories are eligible.

Nominees will be evaluated on their impact in the following categories: general advising, academic guidance,

career guidance, enthusiasm and assistance in decision making.

Nominations will be accepted until Oct. 31. For information or a nomination form, call Judy Banker at (814) 863-1864.

Vanpool

A vanpool from Phillipsburg to University Park is looking for a rider to fill an opening. Work hours are 8 a.m. to 5 p.m. Monday through Friday. Call Tim

at (814) 865-6524 or e-mail timw3@psu.edu.

Multicultural Update online

The fall 2000 edition of the Multicultural Update, which is a digest of multicultural news items from the past year, is now available online at <http://www.lions.psu.edu/diversity/update/>.

Multicultural Update is published by the Office of the Vice Provost for Educational Equity.

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, Call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters.cfm>.

■ Nutrition — WEL 226

(Part III of the Goal Setting for Exercise and Nutrition Series) Discuss the importance of nutrition and how to develop healthy eating habits to last a lifetime. Bring a calculator. Meets noon to 1 p.m. Wednesday, Oct. 11, in 118 Agricultural Sciences and Industries Building. Cost: \$5. This program is HealthAmerica HMO reimbursable.

■ A Holistic Approach To Eating for High Energy- WEL 228

(Part of the Holistic Lifestyle Series) Discuss which foods and supplements, including herbs, provide "High Octane Fuel." Meets noon to 1 p.m. Thursday, Oct. 12, in 118 Agricultural Sciences and Industries Building. Cost: \$5.

Nominations sought for Schraer Award

Nominations are being sought for the annual Rosemary Schraer Mentor Award, sponsored by the Commission for Women.

The award, created in memory of Rosemary Schraer, former associate provost for Penn State, honors a current University employee who has excelled in helping others to recognize and achieve their potential professionally and personally.

The award recognizes individuals who have advised, facilitated, encouraged or paved the way for others. Consideration for the award will be given to any University employee who has a record of outstanding mentoring service going beyond the requirements of their employment.

Schraer, who died in 1992, joined the University in 1959 as a faculty member in the

Eberly College of Science. Through her 26-year tenure, she was noted for her mentoring abilities.

In 1985, she accepted a position as executive vice chancellor and then chancellor of the University of California, Riverside.

Nominations are due by Monday, Jan. 22, 2001, and should be returned to Mary Jane Irwin, chair of the Commission for Women, nominations committee, at 330 Grange Building, University Park, Pa., 16802.

For more information or a nomination form, call the Commission for Women office at (814) 863-7696 or check the Web at <http://www.lions.psu.edu/cfu/> and click on the link to mentoring program. The link to the Rosemary Schraer Mentor Award information is at the top of that page.



University Park Calendar

October 6 - October 15, 2000

SPECIAL EVENTS

Friday, October 13

National Coming Out Day/Gay/Les Festival, speeches, games, barbecue, dance. For more information, call (814) 863-1248.

Saturday, October 14

Viennoise Ball, live orchestra, 9:30 p.m. to 12:30 a.m., HUB-Robeson Center Alumni Hall. Tickets are available at the door.

MUSIC

Friday, October 6

Robert Nairn, works for the double bass, 8 p.m., Recital Hall.

Thursday, October 12

Penn State Cello Choir, Bach's Lunch, Kim Cook, director, 12:10 p.m., Eisenhower Chapel.

Friday, October 13

Dreams, Schwab Auditorium, through Oct. 14.

Saturday, October 14

Cello demonstration, by Lee and Potter Violin Shops, 1 p.m.; master class with Alan Harris, 4 p.m.; and workshop on cello orchestral excerpts with Kathleen Murphy Kemp, 8 p.m. For tickets or registration to these events in the Recital Hall, call (814) 865-0431.

Sunday, October 15

Daton Potter on "Finding the Right Instrument," 9 a.m.; master class with Kim Cook, 10 a.m.; Penn State Cello Choir, 11:30 a.m.; John Lamancusa on "Do-It-Yourself Home Repairs," 2 p.m.; Alan Harris, recital, 3 p.m. For tickets to these events in the Recital Hall, call (814) 865-D431.

SEMINARS

Friday, October 6

Jorge Pullin on "Making Classical and Quantum Canonical Gravity Solvable through a Large Cosmological Constant," 11 a.m., 318 Osmond Laboratory.

Allen Norborn on "Taxonomy of Fruit Flies,"

11:15 a.m., 504 Agricultural Sciences and Industries.

Equal Opportunity Planning Committee Annual Proposal Writing Workshop, 1:30 to 3 p.m., 129A HUB-Robeson Center.

David Harvey on "Geographical Knowledge and Political Power," 4 p.m., 112 Walaker.

Wednesday, October 11

Cecilia Henning on "Empowerment of the Elderly: Strategies to Improve Local Life Conditions," noon to 1 p.m., 108 Wartik Laboratory.

Steve Petchous on "Update on the Role of Potato Tuber Uptoxigenase in Fungal Disease Resistance," 12:20 to 1:10 p.m., 108 Tyson.

Will Coleman on "Living with Ancestral Memory and Prophetic Vision: A Study of the Values Formation and Transformative Powers of African American Religion and Culture," 7:30 p.m., HUB-Robeson Heritage Hall.

Thursday, October 12

Sharon Ciotzer on "Cooperative Nature of Molecular Motion in Glass-Forming Liq-



"The St. Mary Alter" is one of a sequence of five paintings on display in the "Eritrea, Ethiopia: Prayers for Peace" exhibit of works by Betty LaDuke in the Robeson Gallery of the HUB-Robeson Center on the University Park campus. The exhibit will continue through Oct. 25.

uids: Finding Order in Disorder," 4 p.m., 339 Davey Laboratory.

Christopher Reeve, 8 p.m., The Bryce Jordan Center. For tickets, call (814) 863-3786.

Friday, October 13

Nigel Higson on "Diff-Invariant Index Theory (after Connes and Moscovici)," 11 a.m., 318 Osmond Laboratory.

Richard Wiley on "FQPA: Its Creation and Implementation?" 11:15 a.m., 118 Agricultural Sciences and Industries.

Colin Flint on "Fear and Loathing in Pennsylvania: The Geography of Hate Group Activity in the 1920s and 1990s and a Savage Journey into the Heart of the American Dream," 4 p.m., 301 Steidle.

Liz Falletta and Jonathan Cantwell on "REBOOT: Rethinking the Design Thesis," 4 p.m., 101 Engineering Unit D.

Catherine Zuehl on "Socrates' Becoming," 4 p.m., 7 Sparks.

EXHIBITS

HUB-Robeson Center

"Elli Groninger Woodward: Metal Art," through Oct. 15.

"Eritrea-Ethiopia, Prayers for Peace Africa," 4 p.m., "Myth, Magic and Reality," paintings by Betty LaDuke, through Oct. 25.

"Matters of Mind, Perceptions of the Natural World," drawings and collages by Susan Parsonage and Christopher Staley, through Dec. 3.

Historic Synagogues of Turkey, photographs and architectural drawings, Oct. 10 through Dec. 3.

"Restless Metropolis," photography by Denton W. Smith Jr., Oct. 12 through Nov. 30.

Kern exhibit area

"The DeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Dec. 7.

"The Prehistory of Penn State," through Oct. 25.

"Germany: Divided and Reunited, 50 Years of Post-War German History," through Nov. 30.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," through Dec. 10.

"Old Master Prints and Drawings from the Permanent Collection," Special Exhibition Gallery I, through Dec. 10.

Pattee Library

"The Evolution of a Great Library — Penn State University Libraries," exhibit area, through Oct. 29.

"Faces of Children," 109 Pattee, through Nov. 1.

Ritterman exhibit area

Paintings by Jaime Uria, through Oct. 19.

West Halls exhibit area

"The Digital Photography Studio," student exhibition, through Oct. 27.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

ARTS AND ENTERTAINMENT

Recital

Robert Nairn, assistant professor of music, will present a free recital of works for the double bass at 8 p.m. Friday, Oct. 6, in the School of Music Recital Hall on the University Park campus. Nairn will be assisted by pianist Louima Lilite; vocalist Korey Jackson; violinist James Lyon, associate professor of music; violist Heidi von Bernewitz; pianist Arthur Goldstein, instructor of music; and tenor saxophonist Dan Yoder, professor of music.

Bach's Lunch

The Penn State Cello Choir, under the direction of Kim Cook, associate professor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 12, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The Cello Choir consists of 22 cello students, most of whom are cello majors in the School of Music.

After the Bach's Lunch concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Cello Festival

On Oct. 14-15, the Penn State Cello Choir will sponsor the first Penn State Cello Festival in the School of Music on the University Park campus.

The weekend's guest artist will be Alan Harris, distinguished professor of cello at the Eastman School of Music. Harris has recorded for Vox and has given master classes, solo and chamber performances throughout the United States. He will perform his recital at 3 p.m. Sunday, Oct. 15.

Also on Oct. 15, the 22-member Penn State Cello Choir will perform with guest participants at 11:30 a.m.

Registration for the Cello Festival is \$12. Tickets for the Harris recital only are \$4 and are available at the door before the performance.

For more information or to receive a flier, call the School of Music at (814) 865-0431.

HUB-Robeson exhibit

"Matters of Mind, Perceptions of the Natural World," drawings and collages by Susan Parsonage and ceramics by Christopher Staley, professor of art, will be at the HUB Gallery in the HUB-Robeson Center on the University Park campus through Dec. 3.

Parsonage's current work includes abstract drawings, prints and mixed media constructions. She has taught drawing and painting through Continuing and Distance Education for many years. Staley is head of the ceramic area of the Department of Visual Arts.

There will be a reception with the artists from 4 to 6 p.m. Oct. 17 in the HUB Gallery.

For more information, check the Web at <http://www.spa.psu.edu/galleries/> or call (814) 865-2563.

Alumni Fellows named for three colleges

Two named from Eberly College of Science

Two graduates of the Eberly College of Science — Edward Frymoyer, president of EMF Associates Inc. and Fibre Channel Group, and James Plonka, vice president for electronic material, venture capital, advanced materials and new businesses at Dow Chemical USA — have been named Alumni Fellows by the Penn State Alumni Association. The award is the most prestigious honor given by the association.

Frymoyer earned his bachelor's degree in engineering science in 1959 and his doctorate in physics in 1967. He ranks as an international leader in the fiber-channel industry, the standard for information transfer between computers and storage devices. He holds several patents and his firms specialize in consultation and education programs — with EMF Associates providing fiber-channel consulting and Fibre Channel Group offering training to engineers, executives, suppliers, systems users, technology managers and trainers in the United States and England.

Plonka received his doctorate in chemistry in 1970. He provides expertise at Dow Chemical USA in the areas of business development, international business operations, multinational joint ventures and venture capital/private equity transactions. He began his career at Dow as a research scientist in 1970 and has held many research and business-management positions with the company and its subsidiaries in the United States and Japan. Under his direction, the Advanced Materials Unit, which includes electronic components, venture capital and ceramic materials, was established as a global business at Dow.

Public affairs executive named in Communications

Robert J. O'Leary, former general manager of global public affairs for the Mobil Corp., has been named a 2000 Alumni Fellow by the Penn State Alumni Association. He graduated from Penn State in 1971 with a degree in advertising.

O'Leary will visit the University Oct. 12-13 to speak with College of Communications students, faculty and staff about his career in public relations and advertising.

O'Leary joined Mobil in 1995 to oversee its worldwide public affairs activities, including media relations, issue and crisis communications, corporate positioning and advertising programs, and employee and financial communications.

Before joining Mobil, he was vice president of public relations and advertising for Unisys, where he was responsible for all worldwide advertising programs as well as product and marketing public relations activities. His Unisys advertising program made a clean sweep of the top International Advertising Awards for 1994, being named Best Global, Business-to-Business, European and Corporate Campaign.

Before joining Unisys in late 1988, O'Leary spent 11 years with IBM in several different U.S. and international public relations and advertising positions.

Executive tapped in College of Engineering

Donald Devorris, president and chief executive officer of The Blair Companies, has been named a Penn State Alumni Fellow.

Devorris will receive the award at a ceremony to be held at the University Park campus on Oct. 12.

The Blair Companies traces its origins to the early 1950s when Devorris' father, Mitchell, founded a business that specialized in motor and electrical wiring. Today, the Blair Companies is a diverse group of businesses that includes companies specializing in general electrical contracting, commercial construction contracting, electrical sign and display fixtures manufacturing, industrial motor servicing and real estate.

Devorris earned a bachelor of science degree in electrical engineering from Penn State in 1956. He later attended the University of Pennsylvania's Wharton Business School.

Devorris' distinguished record of service to Penn State Altoona includes his 15-year tenure as a member of the college's Advisory Board, which he currently chairs. Over the years, Devorris and his wife, Nancy, have repeatedly demonstrated their commitment to Penn State through a philanthropic vision.

Recently, the couple generously provided funding to support Penn State Altoona's Entrepreneurship Program and to establish the Donald and Nancy Devorris Scholarship in Electrical Engineering within the College of Engineering.

The Alumni Fellow Award is considered the most prestigious award presented by the Penn State Alumni Association. The board of trustees has designated the title of Alumni Fellow as permanent and lifelong.

Fix-up time



Office of Physical Plant employees Roger McClure and William Rider did some repair work recently on a railing on the east side of Old Main on the University Park campus. Crews are out in force to make repairs and do general maintenance before winter weather arrives.

Photo: Greg Grieco

PROMOTIONS

Staff

Maria E. Pavon, staff assistant IV in Graduate School

Darlene A. Rey, staff assistant VI in College of Medicine, The Hershey Medical Center

Judith L. Richardson, marketing communications account specialist II in Division of Outreach and Cooperative Extension

Christi C. Richmond, technician — research in College of Medicine, The Hershey Medical Center

Senia M. Rodriguez, staff assistant VII in College of Agricultural Sciences

Karen J. Sankey, assistant group supervisor in College of Health and Human Development

Alexandra A. Schloss, senior research technologist in Office of the Vice President for Research

Matthew J. Scott, microcomputer information specialist in Computer and Information Systems — Center for Academic Computing

Catherine B. Shannon, assistant director of finance and business in Division of Auxiliary and Business Services

Rachel E. Smith, financial officer VII in Commonwealth College

Jo A. Snyder, research support technologist III in College of Agricultural Sciences

Russell A. Sodergren, database administrator in Computer and Information Systems — Administrative Systems

Marion W. Spencer, staff assistant V at Penn State Wilkes-Barre

Celeste C. Stalk, business manager I in College of Medicine, The Hershey Medical Center

Peter J. Steinberg, client development manager in The Smeal College of Business Administration

W.L. Taiclet, financial officer IV at Penn State Beaver

Patricia A. Thomas, staff assistant V in The Smeal College of Business Administration

Nelda A. Wachtman, lab supervisor in College of Medicine, The Hershey Medical Center

Jessica L. Wagner, Web Coordinator/writer/editor in College of Medicine, The Hershey Medical Center

Susan R. Watkins, staff assistant VI in College of Health and Human Development

Heather M. Weikel, staff assistant VII in Center for Quality and Planning

Lisa A. Whitish, library assistant II at Penn State Hazleton

Mary J. Wodecki, database administrator in College of Agricultural Sciences

Kim J. Wright, staff assistant V in College of Agricultural Sciences

Linda S. Zubler, staff assistant VII in College of Agricultural Sciences



Focus on Research

Teens need communication, negotiation skills to resist drugs

By PAUL A. BLAUM
Public Information

Helping teens avoid drugs is best accomplished by teaching them communication and negotiation skills with peers, instead of bombarding them with scare tactics and "just say no" platitudes, two Penn State researchers said.

For most adolescents, their relationship with friends of both sexes and the need for group acceptance outweighs adult admonitions about the dangers of taking drugs," said Michelle A. Miller-Day, assistant professor of speech communication.

"Rarely are teens introduced to drugs by strangers. Usually, a school friend makes the initial offer, and the teen accepts because not to accept would risk the relationship and perhaps brand him or her as an outsider," Miller-Day said.

"Thus, teen-agers need more than just will-power to resist peer pressure to use drugs. They need the ability to avoid situations, usually during leisure moments, where drug use is most likely to occur. If they can see temptation coming and plan a verbal defense, they have a much better chance of saying no without causing themselves or their peers to lose face," said Michael L. Hecht, professor and head of the Department of Speech Communication.

"School counselors, youth workers and other adults also can teach adolescents to identify and change psychological states such as boredom or restlessness that may trigger drug use," Hecht said.

Miller-Day and Hecht are two of the co-authors of the book *Adolescent Relationships And Drug Use*, published by Lawrence Erlbaum Associates. Other authors are Jess K. Alberts and Melanie R. Trost, both associate professors of communication at Arizona State University, and Robert L. Krizek, assistant professor of communication at St. Louis University.

As an index of drug use among teens, the authors cite a sample of nearly 50,000 students surveyed by the University of Michigan's Survey Research Center.



Michael L. Hecht and Michelle A. Miller-Day are currently working on a project to create, implement and evaluate a culturally appropriate substance-abuse prevention program for 35 schools in Phoenix, Ariz.

Photo: Greg Gifford

"Our study made it clear that teens were most vulnerable to drug use when they were hanging out—in general, killing time," Miller-Day said. "In these situations, adolescents, when approached to do drugs, can steer the conversation in another direction by suggesting to peers that they do something else together more interesting or exciting. This deflects the offer without offending the person making the offer."

Warnings about the dire effects of drugs, no matter how well-intentioned, rarely reach the teen-ager. In fact, prevention messages seldom work unless they involve teen input, understand the adolescent culture and speak the teen-ager's language, according to Hecht.

Anti-drug campaigns designed outside the youth culture will be viewed as an adult intrusion and will largely be received with skepticism, the researchers found.

Hecht said that drug messages also need to be culturally appropriate.

"Showing a Euro-American preven-

tion video in an inner city, African-American classroom may communicate only that the video producers haven't a clue about the home and school environment of most African-American teens. This only results in alienation."

The researchers based their findings on several separate surveys involving hundreds of high school and college students.

Miller-Day and Hecht also are principal investigators, along with John W. Graham, professor of biobehavioral health, and Flavio Marsiglia, associate professor of social work at Arizona State University, on a federally funded initiative, "Drug Resistance Strategies Project," to create, implement and evaluate a culturally appropriate substance abuse prevention program for seventh grade classes in 35 schools in Phoenix, Ariz.

For more information, check the Web at <http://www.la.psu.edu/speech/drsp/drsp.htm>.

Faculty member helps to launch Decade of Behavior

If the 1990s were the "Decade of the Brain," then the behavioral and social sciences appear to have staked their claim to the first decade of the new century.

The "Decade of Behavior" initiative, which has been in the planning stages for the past two years, seeks to highlight the contributions of the behavioral and social sciences in addressing many challenges facing American society. The launch event for the initiative last week on Capitol Hill in Washington, D.C., brought together scientists, policy makers and representatives from scientific, professional and lay groups. A major feature of the event was a series of 13 research exhibits that showcased the research of leading behavioral and social scientists related to the five major themes of the "Decade of Behavior"—improving health, increasing safety, improving education, increasing prosperity and promoting democracy.

Connie Flanagan, associate professor in the College of Agricultural Sciences, was one of the research exhibitors at the launch event. She presented a research exhibit summarizing her cross-cultural research on the development of civic behavior in children.

A multidisciplinary group of 16 distinguished behavioral and social scientists serve on the National Advisory Committee and provide leadership for the initiative. Roger Downs, chair of the Department of Geography, is a member of the committee, which includes representatives from anthropology, educational research, child development, psychology, sociology, public health, nursing, geography, behavioral neuroscience, political science, economics and demography.

A variety of projects and events are planned over the next several years.

For more information about the Decade of Behavior, check the Web at <http://www.decadeofbehavior.org/>.

Penn State Children's Hospital earns Cystic Fibrosis Foundation accreditation

The Cystic Fibrosis Foundation recently announced that it has named the Penn State Children's Hospital as an accredited center. The designation sends an important signal to staff and patients.

"This is really a validation of a program that has grown over many years. It also is a real boost for the many staff members who made this happen," said Dr. W. Stuart Warren, associate professor of pedi-

atrics and director of the center. "Patients can be assured that this is one of the best programs in the area and that it has now been recognized nationally."

Warren said that just nine years ago patients were not treated for Cystic Fibrosis at The Hershey Medical Center. Since its inception, the program has grown to include 90 patients.

Cystic Fibrosis is one of the most common inher-

ited diseases among Americans. Patients have abnormally thick secretions which block the ducts and passageways in the lungs, liver, pancreas and intestinal tract.

There is no known cure. However, advances in the treatment over the past 20 years have produced progressive improvement in the quality of life and an average life expectancy of 30 years.



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<http://www.psu.edu/INTERCOM/>

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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United in prayer



Members of the Penn State football team gathered on the Old Main patio for the prayer rally for teammate Adam Taliaferro, who was seriously injured during the game against Ohio State Sept. 23.

Photo courtesy GoPSUsports.com



Quarterback Rashard Casey was among those who spoke during the prayer rally.

Photo: Buzz Roberts



More than 1,000 people gathered outside Old Main on the University Park campus for the prayer rally Sept. 29.

Photo courtesy GoPSUsports.com



Tim Curley, left, athletic director, and football Coach Joe Paterno reflect the solemnity of the moment during the prayer rally Sept. 29.

Photo courtesy GoPSUsports.com

More on the Web

To send a get-well message to Adam Taliaferro online, go to <http://www.GoPSUsports.com/adam/>.

For more information on the Adam Taliaferro Fund, go to

<http://www.GoPSUsports.com/football/pressreleases/pressrelease.cfm?annid=497>.

More photos from the prayer rally are online at <http://www.GoPSUsports.com/>.

Rally, fund support injured football player

More than 1,000 people turned out in front of Old Main on the University Park campus Friday, Sept. 29, to take part in a prayer and support rally for Penn State football player Adam Taliaferro, who suffered a severe spinal injury in the Sept. 23 game at Ohio State.

Head coach Joe Paterno, assistant coaches Larry Johnson and Kenny Jackson, and athletic director Tim Curley joined several members of the football team in talking about Adam and leading prayers for his recovery.

In response to the hundreds of people who have expressed interest in making contributions toward Adam's medical treatment, the University has established a fund within the development office to support the Taliaferro family with Adam's long-term care and to assist with expenses over and above those covered by family, Penn State and NCAA catastrophic injury insurance programs.

Any money not required for Adam's long-term care will be transferred to an endowed scholarship in his name. Those wishing to contribute may send donations to the Adam Taliaferro Fund, in care of University Development Office, The Pennsylvania State University, One Old Main, University Park, Pa. 16802.



Intercom

INFORMING THE PENN STATE COMMUNITY

OCTOBER 12, 2000

Penn State cares



David Cranage, assistant professor of hotel, restaurant and recreation management, front, and **Matt Lambert**, executive chef for Cafe Laura, throw out old doors found in one of the outbuildings at Centre Furnace Mansion near University Park. They were among the many volunteers to participate in the Centre County United Way/PNC Bank Day of Caring. For more photos from the event, please see page 3.

Photo: Greg Grieco

Environmental Institute garners \$2.5 million grant

The College of Engineering's recently established Environmental Institute has obtained its first successful grant, in the amount of \$2.5 million from the National Science Foundation.

The money will fund a project led by **Bruce Logan**, Kappe professor of environmental engineering, titled "Molecular Analysis of Macromolecule-Surface Interactions in Bacterial Adhesion."

The research will investigate the physical and chemical forces behind how bacteria stick to surfaces. Logan said a better understanding of these forces could lead to breakthroughs in preventing tooth decay, contamination of implants in humans, and contamination of silicon chip surfaces during manufacture. On the other hand, he said this adhesion could be used for beneficial purposes such as increasing bacterial adhesion for the proper operation of water treatment filters and to limit pathogen migration in soil.

Also working on the project are **Darrell Velezol**, assistant professor of chemical engineering; **Jon Chorover**, assistant professor of environmental soil chemistry; **James Kubicki**, assistant professor of geochimistry; and **Menachem Elimelech**, Llewellyn Jones professor of environmental and chemical engineering at Yale.

Formed this past summer, the Environmental Institute combines fac-

Grant, page 2

Teaching and Learning Consortium

"Best Practices" lists, action plans emerging as second year begins

By **ALAN JAMESCH**
Public Information

The Teaching and Learning Consortium has spent the first year of its existence brainstorming about ways to foster an academic culture that emphasizes learning over teaching, coaching rather than lecturing and guiding learning rather than just disseminating facts and figures.

And now, about two months into its second year, the consortium and its 10 teams have begun to bring out lists of "best practices" and action plans that can help individual faculty and acad-

emic units across the University improve teaching and learning.

First out of the box with its best practices and action plan was the team of department and division heads led by **Gordon Blood**, head of the communications disorders department in the College of Health and Human Development. The department head team's 14 recommended best practices include: holding a daylong retreat with department faculty to discuss teaching and learning; appointing senior faculty to mentor new faculty on teaching; discussing teaching activities during the annual review; developing new ways to assess the effectiveness of faculty teach-

ing and student learning; and creating a reward structure for recognizing effective teaching and learning.

The most concrete and attention-grabbing item on the department head team's best practices list may be No. 9, which recommends encouraging faculty to develop teaching portfolios. Such portfolios might typically include course descriptions, research papers on new approaches to teaching and learning, and student evaluations. The consortium sees teaching portfolios as an excellent approach for individual

TLC, page 2

TLC

Continued from page 1

faculty members to reflect on their teaching and to indicate their progress over time.

Spearheading the efforts to encourage teaching portfolios in University departments are team members Dean Snow, head of the anthropology department in the College of the Liberal Arts, and Richard Barton, associate dean of the College of Communications.

In the anthropology department, Snow said the strategy is to do as much as possible to assemble teaching portfolios for the faculty, who might view it as an unproductive activity. In the department, a typical teaching portfolio includes course evaluations from students, course syllabi and possibly peer reviews; eventually all will include the teaching philosophies and practices of each faculty member.

Moving forward

To persuade departmental faculty that teaching is valued as well as research, Snow said he assures them openly and clearly that teaching performance is factored into salary adjustments each year. To help faculty accept fully that teaching is valued as much as research, "you really have to change the culture, and that's going to take a long time," Snow said.

But there are signs of progress, he adds.

"Our finest researcher in this department also is the one who worries most about teaching," Snow said. "He's the hardest-working academic I've ever known."

In the College of Communications, said Barton, teaching portfolios are part of a comprehensive faculty development package, and classroom performance always has been a component of the annual review process for faculty members.

"We try to make the connection that teaching is an important dimension of what we're doing," Barton said. "Teaching will be taken seriously if we make the case for it."

Barton emphasizes that "teaching is a research-related enterprise" and that faculty members can help their colleagues by sharing the substantial research available on teaching and learning.

"We try to make the connection that teaching is an important dimension of what we're doing. Teaching will be taken seriously if we make the case for it."

Richard Barton
associate dean, College of Communications

Throughout the college, he said, "if not a sea change, there is a significant change in terms of the perceptions of teaching and learning." It's not yet a "culture shift," he said, "but it still resonates in a very vigorous, robust way throughout the faculty in the college."

Best practices listed

At the graduate student level, the college runs a "graduate teaching academy" that emphasizes teaching portfolios, a seminar on research and pedagogy, and an ongoing colloquium where students make presentations on teaching and learning issues. In time, these activities will "begin to represent a comprehensive, dynamic survey of where they've been and where they're going," Barton said. "This is pretty much cutting-edge."

The department head team's complete list of best practices and its action plan can be found on the Web by going to <http://www.psu.edu/dept/tlc/index.html> and following the links under the "Team Accomplishments" heading.

The consortium's student team, led by Amanda Wetzel, an undergraduate student in political science, and its faculty team, led by William Hartman, professor of education, also are coming up with lists of best practices. The teaching assistant team, led by Robert Hendrickson, professor of education and head of the education policy studies department, is gathering information about teaching assistant training programs across the University and developing a

model preparation/training program for teaching assistants.

The best practices and action plans from the other teams are expected to be completed by the end of the semester and posted on the Web as they emerge.

"A year of discovery"

University Professor John Brighton, who heads the Teaching and Learning Consortium, characterizes the consortium's first year as "a year of discovery, a discovery of many of the exciting things that are under way for improving learning, such as the freshman seminar, revision of general education courses and student quality teams of the Schreyer Institute for Innovation in Learning to assist faculty in course improvement."

Learning to share

Although many innovative teaching and learning efforts are under way in various isolated pockets of the University, Brighton said, many faculty members are still more comfortable with teaching being a private affair.

"That is, preparing and presenting their lectures in private, behind closed doors, and in a few cases not seeking feedback from students or others about the impact of their teaching," Brighton said.

"We've noted that while some faculty at least are very eager to share the results of their research through publications and presentations, they may not be as inclined to share the results of new ideas and methods of teaching."

The consortium, Brighton said, hopes to accelerate the change under way to have more faculty featuring their teaching accomplishments in publications and presentations. The consortium also is encouraging faculty to more fully integrate their research with their teaching.

Heightening the emphasis on teaching and learning "is no easy thing to do," Brighton adds. "But that's what we're about."

For more information, check the Web at <http://www.psu.edu/dept/tlc/index.html>.

Grant

Continued from page 1

ulty experts from around the College of Engineering to serve as a resource for students and professors, said Logan, who also serves as the institute's first director.

One of the institute's main missions is to provide advice and support to the college in environmentally related teaching, outreach and research. It will help foster new research ideas and establish new research and education directions where engineers can lead.

Faculty may find the institute's support network particularly useful, especially in the research arena. Logan said the institute can help faculty identify collaborators and assist in reviewing and critiquing large, multi-investigator proposals before they are sent for consideration by organizations such as the National Science Foundation or the Department of Energy.

The institute also will develop and promote environmental seminar series, sponsor research forums and assist with student and faculty recruitment efforts.

For more information, check the Web at <http://www.engr.psu.edu/EL/>

Two from Smeal earn Alumni Fellow honors

J. David Rogers, managing director of equities at Goldman Sachs and Co. in New York City, and Richard H. Bard, founder and manager of IdeaSpring, LLC in Denver, Colo., have been named Alumni Fellows by The Smeal College of Business Administration.

Rogers graduated from Penn State in 1978 with a B.S. degree in accounting, followed by an MBA in 1980. Upon graduation, Rogers joined Mobil Oil as a financial analyst. When a fellow Penn State alumnus introduced him to Goldman Sachs in 1982, he joined the Equity Futures Department and quickly distinguished himself as a trader, managing a variety of futures options and program trading assignments.

In 1998 Goldman Sachs selected Rogers to represent the firm when the Federal Reserve Bank of New York organized a group of 15-major U.S. and foreign banks in a successful attempt to save Long-Term Capital Management, a Connecticut-based hedge fund.

Rogers consistently offers to help Smeal College students navigate their way through Wall Street, taking time to

return to campus to speak to finance classes. He is enthusiastic about involving other alumni in the college's new initiatives, such as the Center for the Study of Financial Markets, or encouraging them to help place students and alumni on Wall Street. Among his most recent contributions is the creation of the David and Tricia Rogers MBA Fellowship.

In 1995, Rogers received The Smeal College MBA Distinguished Achievement Award for his outstanding service to the college.

Bard received his bachelor's degree from Penn State in 1969, and his MBA in finance from the Bernard M. Baruch College at the City University of New York.

Throughout his career, he has maintained an active interest in education, health care and the arts. In 1987, he established the Irene and Irving Bard professorship in marketing.

Bard is a member of The Smeal College Board of Visitors, a founding member of the University's National Development Council. He served as

regional chair of the National Campaign Committee during the first University campaign.

Bard is a member of the Mount Nittany Society and a founding contributor to The Bryce Jordan Center.

Bard's business background includes founding and participating in the senior management of three former NYSE companies: FoxMeyer Corp., ComputerLand Corp. and Coast America Corp. He was the founder and until January was CEO of NASDAQ-based Optical Security Group Inc., which is involved in authenticating and anti-counterfeiting technologies and products for documents and branded products. He has recently formed IdeaSpring LLC to make investments in and support early stage e-commerce companies.

The Alumni Fellow program was conceived in 1973 by the Penn State Alumni Association to honor prominent and outstanding alumni who are leaders in the fields and who have made notable contributions to society and their communities.



Rob Guisanie, user services specialist in the College of Agricultural Sciences, shows that some outdoor projects continued in spite of the rain. He was busy turning soil in the front garden at the Centre Furnace Mansion near the University Park campus, above. **At right**, Bob Lee, professor of hotel, restaurant and recreation management/public administration, helped clean the outbuildings around the Centre Furnace Mansion.

Photos by
Greg Grieco



Elizabeth Wilson, left, Sandra Koelle and Jennifer Welch, all members of the Division of Development and Alumni Relations, also ignored the rain. They were at the Millbrook Marsh, planting a hedge row.



Rain postpones some projects for Day of Caring

The Day of Caring may extend to a week or even a month of caring, thanks to the weather.

For the first time in the seven-year history of the PNC Bank/Centre County United Way Day of Caring, rain put a damper on some projects scheduled for the day. Due to the amount of rain in the early morning, some of the Day of Caring projects — especially those involving painting and outdoor construction — had to be rescheduled.

Despite the rain, however, about 100 projects were completed at about 40 different sites. According to the Day of Caring office, when the rescheduled projects are completed, Day of Caring volunteers will have completed more than 300 projects at more than 100 sites in and around Centre County.

For information about rain-date projects, call the Day of Caring office at (814) 238-2941 or e-mail ccuw@vicon.net.

Proposals sought for Schreyer conference participation

Abstracts for 20-minute presentations are being sought for The Second Schreyer National Conference, "Innovations in Undergraduate Research and Honors Education," scheduled for March 30 through April 1, 2001 at The Nittany Lion Inn on the University Park campus.

Abstract themes should revolve around models for undergraduate research, service-learning research or honors education.

Abstracts should be between 500 and 750 words,

briefly describe the model program, provide information about the institutional context and indicate what data are available for the presentation as well as what scholarship is used to support the model. Be sure to note any equipment required for the presentation.

Applicants should include name, position, institutional affiliation, U.S. mail address, e-mail address, telephone number and fax number.

Electronic submissions are preferred. Abstracts should be pasted into the body of an e-mail to confer-

ence@scholars.psu.edu. Do not use attachments, because many programs that use attachment features are not compatible.

To make a paper submission, send one copy of the abstract printed double-spaced in 12-point Times New Roman type to: Schreyer Honors College, Attn: Call for Papers, The Pennsylvania State University, 10 Schreyer Honors College, University Park, Pa. 16802-3905.

Deadline for submissions is Nov. 1. For more information, check the Web at <http://www.shc.psu.edu/>.



Lectures

U.S. Marine Corps general to address next Forum

Gen. James L. Jones, 32nd Commandant of the U.S. Marine Corps, will discuss "The Role of the Marine Corps in the 21st Century" during the next Penn State Forum luncheon. The event will take place from 11:30 a.m. to 1 p.m. Friday, Oct. 20, in President's Halls 3 and 4 at The Penn State Conference Center Hotel on the University Park campus.



James L. Jones

Jones spent his formative years in France and returned to the United States to attend the Georgetown University School of Foreign Service, from which he earned a bachelor of science degree in 1966. He has completed tours of duty in Vietnam, Okinawa, Iraq,

Turkey, Bosnia-Herzegovina and Macedonia.

Sponsored by the Penn State Bookstore, the Penn State Forum is an offering of the Faculty/Staff Club and is open to the public. The luncheons, modeled after the National Press Club, include a lecture by the invited speaker and an opportunity for questions.

Tickets are \$11 general admission and \$110 for tables of 10; Faculty/Staff Club members can purchase individual tickets for \$9.

For more information on the series or for tickets, call (814) 865-7590 or visit the Faculty/Staff Club Web site at <http://www.psu.edu/dept/fsc/>.

Program will explore link between cancer, environment

A program that explores the connections between cancer and the environment will be presented on Monday, Oct. 23, at Penn State DuBois.

Sandra Steingraber, ecologist and author of *Living Downstream: A Scientist Looks at Cancer and the Environment*, is the featured speaker of the satellite broadcast, which is being sponsored by the Northern Regional Office of The Appalachia Cancer Network and the Pennsylvania Breast Cancer and Environmental Risk Factor Project.

The broadcast is being hosted at Penn State DuBois and at various sites across the state by The Pennsylvania Area Health Education Centers and The Northern Appalachia Leadership Initiative on Cancer Coalitions.

The program begins at 7 p.m. in the Hiller Building Quiet Lounge. It is offered by the campus Health Service Office, and is free to the public.

During the hour-long presentation, Steingraber will tell the story of her own diagnosis with cancer at the age of 20 and her return to her hometown many years later to investigate its contamination with both industrial and agricultural chemicals.

She also will present new research that offers clues for further inquiry. Receiving attention will be pediatric cancers, cancer clusters and how provided by the precautionary principle.

For more information, call Libby Hoover at (814) 375-4765 or (800) 346-ROAR.

Ecuadorian mayor to speak Oct. 19

Gen. Paco Moncayo, mayor of Quito, Ecuador, will speak at 4 p.m. Thursday, Oct. 19, in 119 Osmond Laboratory on the University Park campus.

Moncayo was head of Ecuadorian armed forces for several years, including the period in 1959 when Ecuador was at war with Peru.

A member of Ecuador's Democratic Left (Izquierda Democrática) party, Moncayo went into politics in 1999, and

became mayor of Quito this past August.

The event, presented by the Latin American Studies Association, is co-sponsored by the University Office of International Programs, Latin American Studies, the Schreyer Honors College, and the Political Science Department.

For more information on Moncayo's visit, call Janet Haner at (814) 865-0771 or e-mail ja3@psu.edu.

NASA's Search for Life to be discussed Oct. 14

A free public lecture, "NASA's Search for Life" will be given at 11 a.m. on Saturday, Oct. 14, in 101 Thomas Building on the University Park campus.

Charles Beichman, NASA Origins Scientist, will describe humanity's attempts to answer the questions, "Where do we come from?" and "Are we alone?"

Following the lecture, members of the audience will have an opportunity to meet with the speaker and with faculty members from the Department of Astronomy and Astrophysics.

Beichman's talk provides an overview of the 2000-2001 Friedman

public lecture series, which focuses this year on "Origins in Astronomy." The series will review the origins of the universe and of galaxies, the production in stars of chemicals that form the building blocks of life, and the prospects for formation of life-bearing planets throughout the universe. It will culminate next summer with a lecture by Frank Drake, the founder of the Search for Extraterrestrial Intelligence Institute.

Beichman's talk is part of a series of lectures hosted by the Department of Astronomy and Astrophysics and largely funded by the Ronald M. and Susan J. Friedman Outreach Fund in Astronomy.

Cell biologist to speak at Oct. 17 colloquium

Marc W. Kirschner, founding chair of the Department of Cell Biology and Gary W. Walter professor of cell biology at Harvard Medical School, and a founder of Harvard's Institute for Chemistry and Cell Biology, will speak on "Proteolysis and the Cell Cycle" in the Life Sciences Consortium's Colloquium.



Marc W. Kirschner

The colloquium will be videoconferenced from 101 Thomas Building on the University Park campus to Lecture Room D at The Hershey Medical Cen-

ter at 4:15 p.m. Tuesday, Oct. 17.

A graduate of Northwestern University, Kirschner received his Ph.D. from the University of California, Berkeley.

He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences, and has served on the Advisory Committee to the Director of the National Institutes of Health and as president of the American Society for Cell Biology.

Lecture to focus on art collecting

Baroque scholar and connoisseur Alfred Moir, distinguished professor emeritus at the University of California, Santa Barbara, will speak on "The Pleasures and Perils of Low Cost Collecting" at 5:30 p.m. Tuesday, Oct. 17, in the Palmer Museum of Art's Palmer Lipson Auditorium on the University Park campus.

Moir, a scholar in the field of Italian Baroque art, is in particular renowned as a connoisseur of Baroque drawings. His talk is being offered in conjunction with the exhibition "Master Drawings

from the Collection of Alfred Moir," a selection from more than 300 drawings in Moir's private collection, which will be on view at the Palmer Museum from Oct. 17 through Dec. 10.

The free lecture is part of the 2000-2001 Harold E. Dickson Memorial Lectureship in Art History, and is sponsored by the Department of Art History and the Friends of the Palmer Museum of Art.

For more information, call the Palmer Museum at (814) 865-7672.

Panel discussion planned for Oct. 16

The Department of Comparative Literature will hold a luncheon and panel discussion on "New Paradigms: American Studies and Transnational Comparatism" on Monday, Oct. 16.

Panelists are Djelal Kadir, Sparks professor of comparative literature at Penn State; Sonia Torres, professor of American studies at the Universidade Federal Fluminense; Theo D'Haen, professor of American studies and postcolonial liter-

atures at the University of Leiden; and Loes Nas, professor of American studies at the University of the Western Cape.

The event, which is open to the public, starts with lunch at 12:15 p.m. in 102 Kern Building on the University Park campus. The presentation and discussion will run from 12:40 to 1:20 p.m.

Attendees may bring their own lunch, or purchase lunch in the Kern cafeteria. Coffee and tea will be provided.

Penn State eBusiness Research Center features two speakers in fall speaker series

The Penn State eBusiness Research Center has unveiled the fall 2000 lineup for its "Distinguished Speaker Series on e-Business" on the University Park campus. Alan Montgomery, faculty member at the Carnegie Mellon University Graduate School of Industrial Administration, will discuss "Designing A Better Shopbot" from noon to 1 p.m. Oct. 25 in 201 Keller Building.

"A Primer on Auctions" will be the topic of the lecture by Michael H. Rothkopf of Rutgers University's Center for Operations Research. His speech takes place from noon to 1 p.m. Nov. 15 in 807A Business Administration Building.

The eBusiness Research Center promotes research academics and practitioners on various aspects of e-

business, with emphasis on marketing and management issues.

Both presentations are free to the public. Each presentation lasts 45 minutes followed by a 15-minute open forum discussion. Beverages and a light snack will be provided. For more information, check the Web at http://www.ebrc.psu.edu/speaker_series.html.

MORE LECTURES

Symposium explores relationship between body and technology

Has technology redefined what it means to be human? That's the issue at the heart of the upcoming symposium, "Performative Sites: Intersecting Art, Technology and the Body." The symposium, set for Oct. 24-28 at The Penn State Conference Center Hotel on the University Park campus, will respond to this question through performances, lectures and panel presentations by internationally renowned performance artists and scholars who address the effects of technology on art, the body and identity.

In the symposium, faculty members Charles Garoian and Yvonne Gaudelius have created a forum for performance artists and theorists to explore ways technology impacts the body and its identity, and how technology determines who we are and how we function in society.

The conference is funded by the Rockefeller Foundation, the Ford Foundation and the Pennsylvania Council on the Arts. It is cosponsored by 15 University colleges and departments and is endorsed by the Center for Performance Research, Performance Studies International and Franklin Furnace.

Tickets to individual evening performances are available at Eisenhower Auditorium on the University Park campus for \$10 each, \$35 for the weeklong series. Student tickets are \$5 each.

More information is available on the Web at <http://www.sva.psu.edu/performativesites/>

Electronic textuality is topic of Oct. 27 talk

Julia Flanders, director of the Women Writers Project and associate director of the Scholarly Technology Group at Brown University, will give a lecture on electronic textuality at 3:30 p.m. Friday, Oct. 27, in the Lawrence G. and Ellen Foster Auditorium in Pattee Library on the University Park campus.

Her talk, "Data the Unwritten, Data the Unwriter," will be the second in a series devoted to issues in electronic textuality co-sponsored by the University Libraries and the Department of English.

Flanders' talk will be preceded by a practicum session, "Learning from a Perpetual Work in Progress," in which she will discuss and answer questions directly related to the practical operation of the Brown University Women Writers Project. This session will be held at 1:30-2:30 p.m. in 21 Burrows Building.

Both events are open to the public. For more information, call Robin Schulze at (814) 865-9932 or e-mail rgs3@psu.edu.

First Amendment talk



Veteran New York Times journalist and author Tom Wicker, left, chats with Gene Policinski, deputy director of the First Amendment Center at Vanderbilt University before giving his keynote address at the First Amendment Festival, held on the University Park campus last week.

Photo: Greg Glesco

Search under way for director of Environmental Consortium

Applications and nominations for the director of the newly formed Environmental Consortium are now being accepted. The director of the consortium reports to the Office of the Vice President for Research.

Candidates must have a Ph.D. or equivalent degree in one of the environmental science or engineering disciplines and must have credentials appropriate for a tenured professor in an appropriate college. The successful candidate will be recognized as an international leader in environmental

sciences in terms of scientific accomplishments and vision; possess leadership skills necessary to advance ongoing and new initiatives in research, teaching and outreach in environmental sciences and engineering; and have an appreciation for the academic environment and our land grant mission.

Review of applications will begin Nov. 15 and will continue until the position is filled. Nominations may be sent via e-mail to vx22@psu.edu.

Applicants should send a letter expressing an interest in this position

with a detailed visionary statement, a resume or curriculum vitae and the names, addresses, phone numbers and e-mail addresses of four references on a computer diskette to C. Channa Reddy, chair, Search Committee for Environmental Consortium Director, The Pennsylvania State University, 304 Old Main, University Park, Pa. 16802; or via e-mail attachment to vx22@psu.edu.

For more information, check the Web at <http://www.research.psu.edu/environment/>

Initiative seeks grant proposals

Leadership for Institutional Change (LINC), a multi-year initiative, is seeking proposals for mini-grants of \$5,000 to \$7,000 for projects that address campus/community challenges at all University locations. Proposals could have a neighborhood, state, national or international focus.

Funded by the W.K. Kellogg Foundation, the LINC effort includes 12 projects that represent collaborations and partnerships among a number of land-grant institutions. LINC's overarching goal is to find and nurture the people who will be college and university leaders in the 21st century.

Examples of campus/community concerns the grants could support might include alcohol education, elementary and secondary education, healthy com-

munities, economic development and service learning.

A partnership of Penn State and Cheyney University, LINC is now in its second phase, which focuses on identifying potential leaders in higher education and helping them develop or refine the skills necessary for superior leadership.

The review of proposals will begin Oct. 31 and end Dec. 31. Awards will be made while funding remains available. All funds must be expended by Aug. 31, 2001, and project evaluations are due Sept. 30, 2001.

For more information about the grants, call Louise Sandmeyer at (814) 863-8721 or David Day at (814) 865-3180. For more information on Penn State's involvement with LINC, check the Web at <http://www.psu.edu/president/cqi/LINC/index.htm>.

Faculty Senate to meet Oct. 24

The University Faculty Senate will meet at 1:30 p.m. Tuesday, Oct. 24, in 112 Kern Graduate Building, University Park. Items to be discussed include:

- Curriculum report of Oct. 10;
- Committees and Rules — revision of Standing Rules, Article II, Section 6 (f) (legislative);
- Intercollegiate Athletics — fan behavior (legislative);
- Faculty benefits — changes in insurance benefits (informational);
- Libraries — University Libraries, one library geographically dispersed (informational);
- University planning — budget presentation for 2001-2002 (informational);

Members of the University community may attend. Any member of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.



Arts & Entertainment

Exhibits at University Park

The following exhibits are scheduled on the University Park campus:

■ HUB-Robeson Center Art Alley

— "Elli Groninger Woodward: Metal Art," through Oct. 15.

— "Historic Synagogues of Turkey. Photographs and Architectural Drawings," through Dec. 3. A reception and gallery talk will be held from 7 to 9 p.m. Saturday, Oct. 21, in the Art Alley.

— "Restless Metropolis," photography by Denton W. Smith Jr., through Nov. 30.

— Ceramics by Mary Ann McKeeque, through Nov. 5.

■ HUB Gallery

— "Matters of Mind: Perceptions of the Natural World," drawings and collages by Susan Parsonage and ceramics by Christopher Staley, through Dec. 3. A reception will be held from 4 to 6 p.m. Oct. 17 in the HUB Gallery.

■ Robeson Gallery

— "Eritrea-Ethiopia. Prayers for Peace" and "Africa: Myth, Magic and Reality," two painting ensembles by Betty LaDuke, through Oct. 25.

■ Kern Commons exhibit area

— "The DeForest Collection of Folk Pottery from the Maison Museum of Anthropology," through Dec. 7.

— "The Frechistory of Penn State," through Oct. 25.

■ Kern Commons wall panels

— "Germany: Divided and Reunited, 50 years of Post-War German history," through Nov. 30.

■ Ritenour exhibit area

— Paintings by Jaime Ursic, through Oct. 19.

■ West Halls exhibit area

— "The Digital Photography Studio" student exhibition, through Dec. 1.

■ North Halls exhibit area

— "Floating World of a Woman," paintings by Avani Patel, through Oct. 24.

Tuba/euphonium concert

The Penn State Tuba/Euphonium Ensemble, under the direction of Martin Erickson, part-time visiting lecturer of music, will present a concert at 8 p.m. Wednesday, Oct. 18, in the School of Music Recital Hall on the University Park campus.

The 11-member group consists of five euphonium players and six tuba players. The concert features a solo by graduate student Ben Miles. The concert is free to the public.

Bach's Lunch

The Hi-Lo's, a group from the Penn State Glee Club, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 19, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The 16-member group, under the direction of Tim Eck, graduate student in conducting, also will participate in the Penn State Glee Club Homecoming



Terri Park, top, and Ginna Hoben, leaning backwards, perform part of a dance number in Spike Heels. The production will be on stage Oct. 20-28 at The Playhouse on the University Park campus. For ticket information call (814) 863-0255.

Photo: Greg Grieco

concert at 7:30 p.m. Saturday, Oct. 21, in Schwab Auditorium.

After the Bach's Lunch concert, audience members may take their bag lunches to the Roy and Agnes Wilkins Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Peter Pan

Soar to Neverland when the Center for the Performing Arts presents Peter Pan at 7:30 p.m. Wednesday, Oct. 25, in Eisenhower Auditorium on the University Park campus.

This musical adaptation of the James M. Barrie novel recounts the adventures of a boy who wouldn't grow up.

Prices are \$35 and \$25 for general admission; \$30 and \$22 for students; \$20 and \$12 for University Park students; and \$25 and \$19 for children 12 and younger.

For tickets or more information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849, or check the Web at <http://www.cpa.psu.edu/>.



BRYCE JORDAN CENTER

British military music corps to perform Nov. 9

The Massed Bands of Her Majesty's Household Cavalry, The Black Watch Pipes, Drums and Highland Dancers, and the band and choir of the Prince of Wales' Division will perform at The Bryce Jordan Center at 7:30 p.m. Thursday, Nov. 9.

Tickets are \$25 and \$17.50 for reserved seats. Group rates of 15 or more also are available at (814) 863-1812. There are a limited number of discounted tickets for Penn State and high school students at \$10. Scholars must show their student ID at The Bryce Jordan Ticket Center for the discount (4 tickets per ID).

Formed in the 1700s, The Black Watch is a historic regiment that still serves as a fully operational Battalion in the modern British Army. The Lucanow Band/Choir of the Prince of Wales' Division was formed on Aug. 1, 1994. Permanently stationed in Tidworth near Salisbury, the band's role is to support its regiments musically but is available to the general public on request, military duties permitting. The musicians also have a secondary wartime role where they support the medical services as ambulance drivers or hospital assistants.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, charge by phone at (800) 863-3336 or (814) 865-5555, or order online at <http://www.bjc.psu.edu/>.

Diversity exhibit at DuBois

"Love Makes a Family: Lesbian, Gay, Bisexual and Transgendered People and Their Families," a national, award-winning diversity exhibit, will be on display in the campus library at Penn State DuBois throughout the month of October.

The exhibit features photographs and interviews with 20 families who have gay, lesbian, bisexual and transgendered members and contains images and words that show, in a positive way, the existence, the love and the power of GLBT families.

The exhibit is produced by Family Diversity Projects, a nonprofit organization devoted to educating the public about issues related to the diversity of family life.

The exhibit also is available as a book, a copy of which is being donated to the campus library.



University Park Calendar

October 13 - October 22

SPECIAL EVENTS

Friday, October 13

National Coming Out Day/Gayla Festival, speeches, games, barbecue, dance. For more information, call (814) 865-1246.

Saturday, October 14

Viennese Ball, live orchestra, 9:30 p.m. to 12:30 a.m., HUB Robeson Center Alumni Hall. Tickets are available at the door.

Friday, October 20

Splice Heels, by Theresa Rebeck, 8 p.m., through Oct. 26, 2 p.m. matinee Oct. 28, The Playhouse.

Saturday, October 21

Penn State Tailgate, The Bryce Jordan Center.

MUSIC

Friday, October 13

Dreams, Schwab Auditorium, through Oct. 14.

Saturday, October 14

Cello demonstration, by Lee and Potter Violin Shops, 1 p.m.; master class with Alan Harris, 4 p.m.; and workshop on cello orchestral excerpts with Kathleen Murphy Kemp, 8 p.m. For tickets or registration to these events in the Recital Hall, call (814) 865-0431.

Sunday, October 15

Oulton Potter on "Finding the Right Instrument," 9 a.m.; master class with Kim Cook, 10 a.m.; Penn State Cello Choir, 11:30 a.m.; John Lamancusa on "Do-It-Yourself Home Repairs," 2 p.m.; Alan Harris, recital, 3 p.m. For tickets to these events in the Recital Hall, call (814) 865-0431.

Wednesday, October 18

The Penn State Tuba/Euphonium Ensemble, Martin Erickson, director, 8 p.m., Recital Hall.

Thursday, October 19

The H-L's, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, October 13

Nigel Higson on "Diff-Invariant Index Theory (after Connes and Moscovici)," 11 a.m., 31B Osmond Laboratory.

Richard Wiley on "FOPA: Its Creation and Implementation?" 11:15 a.m., 18B Agricultural Sciences and Industries.

Colin Flint on "Fear and Loathing in Pennsylvania: The Geography of Hate Group Activity in the 1920s and 1990s and a Savage Journey into the Heart of the American Dream," 4 a.m., 301 Steidle.

Liz Falletta and Jonathan Cantwell on "REBOOT: Rethinking the Design Thesis," 4 p.m., 101 Engineering Unit D.

Catherine Zuckert on "Socrates' Becoming," 4 p.m., 7 Sparks.

Saturday, October 14

Charles Beichman on "NASA's Search for Life," 11 a.m., 101 Thomas.

Monday, October 16

Ovid Silva on "Mobility Transitions of Solid Rare Gases in Confined Environments," noon, 339 Davey Laboratory.

"New Paradigms: American Studies and Transnational Comparativism," panel discussion, 12:40 to 1:20 p.m., 102 Kern.

John Rea on "Diff-Invariant Index Theory (after Connes and Moscovici)," 2:30 p.m., 31B Osmond Laboratory.

Tom Malouk on "Thrust 3 — Electronic Properties of Infiltrated Metals," noon, 339 Davey Laboratory.

"Love Shouldn't Hurt: What You Need to Know about Relationship Violence," 7 to 9 p.m., 129A and 129B HUB-Robeson Center.

Tuesday, October 17

Maria Pityzani-Stephanopoulos on "Water-Gas Shift and other Energy-Relevant Redox Reactions on Ceria-Based Catalysts," 10 a.m., 149 Fenske Laboratory.

Jeffrey Cohen on "Migration, Class and Work in Rural Oaxaca, Mexico," noon, 406 Oswald Tower.

Kurt Gible on "Juggling Atom Clocks," 3:30 p.m., 339 Davey Laboratory.

Reinhart Job on "Bulk and Surface Properties of C2-Silicon after Hydrogen Plasma Treatments," 3:35 p.m., 114 Earth-Engineering Sciences.



Suzie Battista, ticket sales assistant at the Eisenhower Ticket Center on the University Park campus, hands out tickets to students for the upcoming speech by Christopher Reeve. Reeve speaks tonight at 8 at The Bryce Jordan Center as part of the Distinguished Speaker Series. Other speakers in the series are Danny Glover on Jan. 25, 2001; and Martina Navratilova on Feb. 6, 2001. For more information, check the Web at <http://www.sa.psu.edu/dss/>.

Photo: Annemarie Moutz

Robert J. Cousins on "Molecular and Cell Biology of Zinc Metabolism and Function," 4 p.m., S-209 Henderson.

Marc W. Kirschner on "Proteolysis and the Cell Cycle," videoconference, 4:15 p.m., 101 Thomas.

Alfred Moir on "The Pleasures and Perils of Low Cost Celling," 5:30 p.m., Lippon Auditorium, Palmer Museum.

Wednesday, October 18

Jacqueline Bichsel on "Relationship Between Hormone Replacement Therapy, Personality and Cognitive Ability in Older Adults," noon to 1 p.m., 108 Wartik Laboratory.

Laura Haubrick to speak on guard cell signaling, 12:20 to 1:10 p.m., 108 Tyson.

Werner S. Weighofer on "Electromagnetic Fields and Potentials in Simple and Complex Mediums," 3:35 p.m., 114 Earth-Engineering Sciences.

Thursday, October 19

Gen. Pazo Morcayo, mayor of Quito, Ecuador, 4 p.m., 119 Osmond Laboratory.

Friday, October 20

Consuelo DeMoraes on "Ecological Interactions in Trophic Systems: The Role of Chemical Cues," 11:15 a.m., 504 Agricultural Sciences and Industries.

Gen. James L. Jones on "The Role of the Marine Corps in the 21st Century," 11:30 a.m. to 1 p.m., President's Hall, The Penn State.

Bernard de Wit on "Stationary BPS Solutions in N=2 Supergravity with R²-Interactions," 2:30 p.m., 318 Osmond Laboratory.

Saturday, October 21

Linda M. Burton on "Learning to Labor: Adolescent Kinwork in Multigeneration Families," 9 a.m., The Nittany Lion Inn.

EXHIBITS

HUB-Robeson Center

"Entree: Aethiopia, Prayers for Peace Africa," and "Myth, Magic and Reality," paintings by Betty LaDuke, through Oct. 25.

"Matters of Mind, Perceptions of the Natural World," drawings and collages by Susan Parsonage and Christopher Staley, through Dec. 3.

Historic Synagogues of Turkey, photographs and architectural drawings, through Dec. 3.

"Restless Metropolis," photography by Denton W. Smith Jr., through Nov. 30.

Kern exhibit area

"The DeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Dec. 7.

"The Prehistory of Penn State," through Oct. 25.

"Germany: Divided and Reunited, 50 Years of Post-War German History," through Nov. 30.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," through Dec. 10.

"Did Master Prints and Drawings from the Permanent Collection," Special Exhibitions Gallery I, through Dec. 10.

"Master Drawings from the Collection of Alfred Moir," Special Exhibitions Gallery II, through Dec. 10.

Pattee Library

"The Evolution of a Great Library — Penn State University Libraries," exhibit area, through Oct. 29.

"Faces of Children," 109 Pattee, through Nov. 1.

Ritson exhibit area

Paintings by Jaime Ursic, through Oct. 19.

West Halls exhibit area

"The Digital Photography Studio," student exhibition, through Oct. 27.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>.

For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Parents weekend at Berks

Penn State Berks is inviting parents and families of students to experience a little college life Oct. 13-15.

For three days, Penn State Berks will give parents an opportunity to see the quality services and education Penn State provides its students locally. There will be tours, various events and presentations by faculty members touching on a variety of topics.

For more information, call Doreen Fisher at (610) 396-6067.

United Way fund-raisers

Fund-raising for the United Way is in full swing. Here are some of the upcoming events sponsored by various units at the University:

■ Run-Walk-a-Roll

Join the College of Health and Human Development, Intercollegiate Athletics, The Schreyer Honors College and the Pattee Library and Paterno Library, as they participate in the Fourth Annual Run-Walk-a-Roll on the University Park campus to support the United Way.

The event will be held from 8 to 11 a.m. Saturday, Oct. 14. Participate by walking, rollerblading, biking — anything on foot or wheels is acceptable. New for this year is a 5K race course.

Information, registration forms and maps of the course are available at South 159 Henderson Building, 126 Paterno Library, East 315 Henderson Building, 103 Jordan Center, 110 Moore Building and The Schreyer Honors College main office in Atherton Hall, all on the University Park campus.

■ Bowl for United Way

The Office of Undergraduate Education will sponsor a bowl-a-thon, Bowl for the Goal, from 1 to 4 p.m. Sunday, Oct. 15, at Northland Hall in State College, near University Park.

Registration for the event begins at noon, and all proceeds will benefit the United Way.

There also will be a silent auction featuring items such as a football autographed by Joe Paterno, a basketball autographed by Rene Portland and the Lady Lions, and many more items donated by local merchants.

For more information, and to view and bid on auction items, check the Web at <http://blue.us.psu.edu/psu/ue/uway/index.htm>.

Voice mail policy

Due to security issues, effective Oct. 16, the Office of Telecommunications will no longer release information regarding University Park voice mail IDs or security codes over the phone. Instead, calls to the OTC Help Desk at (814) 863-4357 regarding voice mail ID or security code problems will be resolved via an e-mail sent to the voice mailbox owner on record.

Take your professor to lunch

The Center for Excellence in Learning and Teaching and the University Student Government Academic Assembly are co-sponsoring a midsemester program designed to break down the barriers of anonymity in large class sections.

The "Take Your Professor to Lunch" program will run Oct. 16-27. Students and instructors in classes of 60 or more are eligible to participate. The aim is to facil-



It's fall lambing time at the sheep barns on the University Park campus. So far, 150 lambs have been born this fall, with another 75 expected to arrive by mid-November.

Photo: Greg Griebco

tate communication in courses where remembering names is a challenge and student invisibility is an obstacle to learning.

Lunch can be arranged at any Housing and Food Services eatery for the instructor and a subset of students currently enrolled in any eligible course. Teaching assistants also may join the group.

Registration information is on the Web at <http://www.psu.edu/celt/largeclass/take-a-prof.html>.

New look for eLion

The eLion Web site, the University's hub for interactive applications, has a new look. The revised eLion has fewer clicks and features a new two-frame model, which allows users to find information more quickly and easily. In addition to the student, adviser and faculty user groups, a new user group, "prospective students," has been added to the eLion home page menu to give this population its own access to eLion.

The eLion redesign facilitates navigation for the user and renders the look of all applications consistent. For more information, check the site at elion.psu.edu.

Undergraduate Web Fair

To celebrate the innovative ways students and instructors are using the Web and to recognize undergraduate excellence in academic Web site design, the Center for Academic Computing, the Office of Undergraduate Education and the Teaching and Learning Consortium are holding the University's first Undergraduate Web Fair.

The competition is open to any undergraduate student, or team of students, who created a Web site as part of an academic course taken in the current semester.

Web sites will be judged by a panel of students, faculty and information technology specialists based on how effectively they use the medium to present academic content. Criteria include ease of navigation, sensitivity to Web accessibility issues and innovative use of sound, image and video.

Any faculty member or teaching assistant may nominate a Web site between Nov. 1 and Dec. 15.

To submit a nomination or for more information, check the Web at <http://www.psu.edu/webfair/> or e-mail webfair@psu.edu.

COURSES

Media training seminar

■ Tips for Working with the Media

Learn how to work successfully with the media and develop effective strategies and interview techniques in this free course offered by the Department of Public Information and the Human Resources Development Center. Meets 1:30 to 3:30 p.m. Tuesday, Oct. 17, in room E of The Bryce Jordan Center, University Park. To register, call HRDC at (814) 865-8216.

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters.cfm>.

■ Yoga — WEL 095

(HealthAmerica HMO reimbursable) All sections in this ongoing series are on Tuesdays. Cost \$25.

Section 4 (beginner): Meets 11 a.m. to noon Oct. 17 to Nov. 28 in the Eisenhower Chapel Frizzell Room.

Section 5 (intermediate): Meets noon to 1 p.m. Oct. 17 to Nov. 28 in the Eisenhower Chapel Frizzell Room.

Section 6 (advanced/lyengar style): Meets 1 to 2 p.m. Oct. 17 to Nov. 28 in the Eisenhower Chapel Frizzell Room.

■ Qigong — WEL 190

Qigong, a traditional energetic practice originating in ancient China, features simultaneous body-mind tune-up training. Meets noon to 1 p.m. Wednesdays, Oct. 18 to Dec. 6 in 212 Eisenhower chapel. Cost: \$25.

■ Tai Chi — WEL 121

(Intermediate and advanced Levels only) This ancient Chinese discipline consists of performing a series of slow and controlled movements. Meets noon to 1 p.m. Thursdays, Oct. 19 to Dec. 7 in the Eisenhower Chapel Frizzell Room. Cost: \$25.

■ Students in Distress: Guidelines for Faculty and Staff interventions — WEL 122

This program describes the important role that faculty and staff can play in identifying and referring students experiencing emotional distress or academic difficulties due to psychological or behavioral problems. Meets 8:30 to 11:30 a.m. Friday, Oct. 20, in 319 Rider Building. Free.

■ Social/Occupational Dimension — WEL 221

(Part II of the Dimensions of Wellness Series) This session will help participants become aware of their social strengths and evaluate their social weaknesses. Meets noon to 1 p.m. Thursday, Oct. 19, in 125 Reber Building. Cost: \$5. HealthAmerica HMO reimbursable.

■ Know Your Numbers Cardiovascular Assessment Program — WEL 170

Meets Tuesday, Oct. 17, in 118 Agricultural Sciences and Industries Building. To register, call (814) 865-3085. Cost: \$15. HealthAmerica HMO reimbursable.

■ Body Alignment Techniques — WEL 125

(HealthAmerica HMO reimbursable) This program centers on the use of the movement awareness method to exercise specific parts of the body. Meets 11 a.m. to noon Wednesdays and Fridays, Oct. 18 to Dec. 8 in 110 Henderson (The Living Center). Cost: \$35.



Appointments

Professor appointed interim senior faculty mentor

James B. Stewart, professor of labor studies and industrial relations, and African and African American studies, has been appointed to serve as interim senior faculty mentor.

He will be replacing John Timpone, professor of education, who had agreed to serve in that position for the academic year, and will be continuing as director of the University's American Indian leadership program.

In his new role, Stewart will address a wide range of issues that impact the recruitment and retention of minority faculty. His goals for the year include a systematic assessment of the development needs of faculty of color; strengthening communication between graduate students and faculty; and the use of e-mail and the Internet to increase communication among minority faculty and to enhance the visibility of their



James B. Stewart

research, teaching and outreach activities.

Stewart has held a variety of positions at the University, including director of the former Black Studies Program and chair of the equal opportunity planning committee. He was the University's first vice provost for educational equity, has served as president of the National Economic Association and is currently president of the National Council for Black Studies.

His research interests include human resource economics, the philosophy and methodology of Africana studies, black families and diversity management in private and public sector organizations.

Stewart will be working directly with Terrell Jones, vice provost for educational equity, and Evelyn Ellis, director of the Office of Graduate Educational Equity.

Diversity training specialist joins Affirmative Action Office

Annette I. Bookter has been named diversity training specialist in the Affirmative Action Office.

As diversity training specialist, Bookter will develop educational programming in areas related to diversity awareness; produce informational materials to assist in public relations strategies about diversity programming and support services to the University community; and consult with faculty and staff to assist University units in climate improvement initiatives.

Before coming to Penn State, Book-

ter was a human resources executive for the United States Postal Service. In 1994, she established AIB Transitions Inc., a human resource consulting firm, whose clients included large private companies, public sector organizations, nonprofit agencies and professional associations.

Bookter received a bachelor of science degree in business management from Southern University, a master of science degree in human resource from American University and a Ph.D. in training and development from Louisiana State University.

Worthington Scranton hires program specialist

Mary Ellen Jolley has been appointed as program specialist in the Continuing Education Department at Penn State Worthington Scranton.

Jolley will be responsible for developing and enhancing youth programs and building education and business partnerships for the department.

She earned an M.H.A. and B.A. in education from Wilkes University.



Mary Ellen Jolley

Before her appointment at Penn State, Jolley was employed as senior associate project manager at Paper Magic Inc., and held positions in the advertising department at *The Wilkes-Barre Times Leader* and in the development office at Wilkes University. She also served as customer service manager at Nelson and Sons Furniture, Kingston, and as office manager at Leslie Fay, Kingston.

EMS names new associate dean for research

Derek Elsworth, professor of energy and geo-environmental engineering, has been named the new associate dean for research for the College of Earth and Mineral Sciences. He replaces Peter T. Luckie, who is retiring.

As associate dean for research, Elsworth will be responsible for all activities related to managing the \$30 million of externally funded research conducted annually by EMS faculty and staff. He plans to assist faculty by targeting private sector funds as a growth opportunity for EMS research funding. College research accounting practices also will be upgraded and streamlined.

Elsworth was a member of the University's task force on Research Administration and Technology Transfer that spawned the Office of Strategic Research Opportunities.



Derek Elsworth

Elsworth also served as chair of the Graduate Research Committee that organizes the annual Graduate Research Exhibition.

Before joining the College, Elsworth was a consulting engineer in Calgary, Canada, and on the faculty of the Department of Civil Engineering at the University of Toronto. He earned a B.Sc. with honors in engineering geology and geotechnics from Portsmouth Polytechnic in England, an M.Sc. in engineering rock mechanics from the Imperial College in London, and received his Ph.D. in engineering from the University of California, Berkeley.

He joined Penn State in 1985 as an assistant professor of mineral engineering and was promoted to professor in 1997.

First Diefenderfer chair appointment announced

Kon-Well Wang has been appointed the first holder of the William E. Diefenderfer chair in mechanical engineering in the Department of Mechanical and Nuclear Engineering.

Wang received his Ph.D. in mechanical engineering from the University of California at Berkeley in 1985. He joined the Penn State faculty in 1988 after three years with General Motors Research Laboratories.

Wang is a Fellow of the American Society of Mechanical Engineers (ASME), where he has chaired the ASME Technical Committee on Vibration and Sound. He is an associate editor for the *ASME Journal of Vibration and Acoustics* and an editorial board



Kon-Well Wang

member for the *Journal of Vibration and Control*.

The William E. Diefenderfer chair in mechanical engineering was endowed by alumnus William E. and Francesa Diefenderfer of Glensbury, Conn., to provide a distinguished faculty member the opportunity to pursue scholarly excellence in mechanical engineering through instruction, research and professional technical service.

William Diefenderfer was the first recipient of Penn State's Outstanding Engineering Alumni Award in 1966 and was named a Penn State Alumni Fellow in 1994. He and his wife are members of the Mount Nittany Society and the George W. Atherton Society.

eBusiness Research Center names associate director

C. Lee Giles, an expert in World Wide Web issues with the School of Information Sciences and Technology (IST), has been selected as the associate director for research of the University's eBusiness Research Center.

Giles, the David Reese professor in IST and professor of computer science and engineering, is known for papers in the journals *Science* and *Nature*, estimating the size and content of the Web, and showing that current search engines index only a fraction of it.

Before joining Penn State this year, Giles was a senior research scientist with NEC Research Institute and an adjunct faculty member at the University of Pennsylvania, Columbia University and Princeton University.

Giles will help shape eBRC's future research agenda, coordinate faculty resources, identify potential funding sources and help plan academic workshops, seminars and other research-oriented activities.

OBITUARIES

Boyd W. Bright, laboratory mechanic, experimental maintenance in the Materials Research Laboratory, from Oct. 1, 1959, until his retirement Oct. 29, 1981; died Sept. 20. He was 82.

K. Danner Clouser, professor emeritus of humanities in the College of Medicine, The Hershey Medical Center, from Aug. 1, 1968, until his retirement Oct. 1, 1996; died Aug. 14, at the age of 70.

Wilma R. Ebbitt, professor emerita of English in the College of the Liberal Arts, from Sept. 1, 1974, until her retirement June 30, 1988; died Sept. 17. She was 82.

Thomas E. Feuchtwang, professor emeritus of physics in the Eberly College of Science, from Sept. 1, 1965, until his retirement June 30, 1995; died Aug. 10, at the age of 70.

Charles E. Glock, janitorial worker in the Office of

Physical Plant, from Jan. 12, 1981, until his retirement Feb. 1, 1991; died Sept. 22. He was 75.

H. Rollin Lloyd, senior assistant librarian in University Libraries, from Jan. 1, 1965, until his retirement Feb. 1, 1983; died Sept. 26, at the age of 82.

June A. Wiser, secretary in Undergraduate Admissions, from Nov. 1, 1966, until her retirement Jan. 1, 1982; died Sept. 24. She was 81.



25-Year Awards



Denise A. Bagley



R. Thomas Berner



Carol V. Gay



Samuel Lykens



C. Robert Matthews



Gary L. Mullen



Murry Nelson



Cynthia E. Nicosia



Patricia Rizzolo



Linda Smeltzer



William Smith



Darrell Steffensmeier

Observing 25 years of service at the University are, from top row left, Denise A. Bagley, janitorial worker in maintenance and operations at Penn State Altoona; R. Thomas Berner, professor of journalism and American studies in College of Communications; and Carol V. Gay, professor of cell biology in the Eberly College of Science; **second row left:** Samuel Lykens, courier/maintenance worker in the Office of Physical Plant; C. Robert Matthews, Eberly family chair professor of chemistry, and Gary L. Mullen, professor of mathematics and head of the Department of Mathematics, both in the Eberly College of Science; **third row left:** Murry Nelson, professor of education and interim department head, curriculum and instruction in the College of Education; Cynthia E. Nicosia, director of graduate enrollment services in The Graduate School; and Patricia Rizzolo, coordinator of planning and assessment at Penn State Abington; and **fourth row left:** Linda Smeltzer, staff assistant III, and William Smith, stockroom clerk B, both in University Libraries; and Darrell Steffensmeier, professor of sociology and crime, law and justice in the College of the Liberal Arts. **Observing 25 years of service at the University but not pictured** are Linda Coble, staff assistant V in Office of Student Aid; Jonathan Goldstein, associate professor of computer science and engineering, and Don E. Stewart, project assistant, both in the College of Engineering; Daniel Grow, coordinator of recruiting programs, certification and academic services in the College of Education; and Jill Snook, staff assistant VI in the Office of Physical Plant.

Graduate School seeks nominations for two graduate teaching awards

Nominations are being sought for two University Graduate School awards recognizing outstanding teaching. The Graduate Faculty Teaching Award and Graduate Assistant Award for Outstanding Teaching were created to acknowledge exceptional instruction at the graduate level. Recipients will receive an award of \$500 at the award ceremonies in spring 2001. The deadline for submitting nominations is Nov. 1.

The Graduate Faculty Teaching Award is open to all faculty members who have been tenured members of the graduate faculty for a minimum of seven years, who have demonstrated excellence in the supervision of graduate students with their thesis work and who have not yet received the University's highest accolade for teaching and scholarship (an Evan Pugh professorship, a distinguished professorship or the Eisenhower or Lindback

awards). Graduate students, faculty or staff may submit nominations to the nominee's graduate program professor-in-charge. Each graduate program is limited to one nomination.

The Graduate Assistant Award for Outstanding Teaching is open to graduate students who have served as graduate assistants for at least two semesters within the last two years (fall 1998 to fall 2000). Degree candidates carrying the title of instructor are not eligible for the award. Nominations may be submitted to the nominee's graduate officer or department head. Typically, 10 awards are made.

For details on application preparation, call (814) 865-2514 or e-mail gradgrants@psu.edu.

Information also is available on The Graduate School Web site at <http://www.gradsch.psu.edu/fellowships/gsfellows.shtml>.

Nominations sought for mentoring award

Nominations are being sought for the Howard B. Palmer Faculty Mentoring Award.

The award was established in 1991 in honor of Howard B. Palmer, who served as senior associate dean of The Graduate School from 1985 to 1991. The award, which consists of \$1,000 and a certificate will be presented to a full-time member of the faculty who has demonstrated "effective mentoring through

guiding and nurturing the collegial and professional development of junior faculty."

The deadline for submitting nominations is Nov. 1. For details on application preparation, call (814) 865-2514 or e-mail gradgrants@psu.edu. Information also is available on The Graduate School Web site at <http://www.gradsch.psu.edu/fellowships/gsfellows.shtml>.

AWARDS

McKeesport names Penn Stater of the Quarter

Heidi Leiden, manager of housing and food service at Penn State McKeesport, has been named Penn Stater of the Quarter for April, May and June.

Leiden joined the Penn State McKeesport staff in October 1999 and has led the housing and food service effort to become an integrated part of campus revitalization. She previously served as assistant manager of Housing and Food Services at Penn State Beaver from 1992 to 1999 and at Penn State Erie from 1982 to 1992.

She assists campus units to meet strategic

goals in event planning by providing and serving food for various functions. Leiden's colleagues recognized her extra effort in coordinating details for a major campus event in June for more 300 guests. She and her staff transformed the Residence Hall and Dining Commons into attractive venues for the occasion and provided extraordinary food displays and amenities.

The Penn Stater program was originally developed by the Commonwealth College as an opportunity to thank those faculty and staff members or students who serve the University above and beyond what is required.

Development director receives "Golden Glue" Award

Catherine McClain, director of development for the College of Communications, has received the "Golden Glue" Award for "cementing the college's internal and external relations."

McClain was cited for her ability to showcase the college well to its external constituents, while keeping a pulse on its needs and vision.

McClain is responsible for overseeing the college's portion of Penn State's Grand Destiny Campaign.

The college aims to raise \$12 million as part of the University's overall goal of raising \$1 billion by June 30, 2003, for increased support of students, faculty, programs and carefully selected projects.



Catherine McClain

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To get your **free** subscription, go to the Web at <http://www.psu.edu/> and click on the link under "Announcements."



Focus on Research

Firms and former employees can still be friends after parting ways

BY PAUL A. BLAUM
Public Information

Companies would be smart to maintain ties with departing personnel and view them as future partners and allies, instead of adversaries, according to two researchers.

"The end of a relationship between company and employee doesn't have to be final and acrimonious," said Martin J. Kilduff, professor of management in The Smeal College of Business Administration. "Regardless of whether they leave due to a voluntary job change or involuntary layoff, employees still retain some of the corporate culture, which they carry over into their new positions."

"Organizations that learn from former workers who leave the organization and establish their own businesses are likely to create vibrant 'virtual' cultures that extend the corporate antennae in unforeseen ways," Kilduff said. "Virtual cultures that flourish around and between organizations can be rich environments in which ideas can be tested, contacts developed and careers established. By contrast, companies that shun virtual cultures, creating cadres of 'official' members who are forbidden to speak to those who have left, may be depriving themselves of valuable resources."

Kilduff and Kevin G. Corley, doctoral student in management, compared the relationship between immigrants and



Martin Kilduff, professor of management, right, and doctoral student Kevin Corley found in their research that even when an employee leaves under less than positive circumstances, he or she can return to the company later and have a positive impact.

Photo: Greg Grieco

their home countries with that between "exiles" in the business world and their former corporate culture.

There are many examples of professionals who leave a position, sometimes involuntarily, then return to their organizational culture of origin and make a significant impact. Corley cites the example of Steve Jobs, one of the founders of Apple Computers and among the most prominent young executives in American business.

After being fired at Apple, Jobs returned after a few years as Apple chairman of the board and was recently named the interim chief executive officer. To the surprise of many Jobs enthusiasts, he came back from corporate "exile" no longer a proponent of the "Apple-against-Big Brother" philosophy.

"His years outside of Apple apparently taught him the value of cooperation and the viability of business partnerships. He created short-lived

strategic alliances with companies to make Macintosh clones, settled a long-simmering dispute with arch-rival Microsoft and convinced Microsoft to become a non-voting investor in Apple," said Corley.

"These drastic changes signify the changed culture that Steve Jobs believes is necessary for Apple to survive," Corley said. "He epitomizes the rule of thumb that organizations and departing personnel can get a divorce and still be very good friends."

Researcher on cancer cell growth is progressing well

Scientists know that cells talk to each other and within cells proteins also communicate. Understanding this communication, which can be likened to electronic circuitry, can help scientists know when and how to alter this communication and ultimately will help them fight cancer.

Kathleen M. Mulder, professor of cellular and molecular biology and pharmacology in the College of Medicine, has done this kind of research for 15 years. The focus of her lab has been the protein TGF-beta, which blocks the growth of normal cells.

"We know that chemotherapy can kill all cells, cancerous as well as healthy cells. This is why people often feel so sick when they

are on chemotherapy. Our goal is to develop therapeutics to directly fight the cancerous cells without harming the surrounding normal cells," said Mulder.

Mulder's latest work, along with her co-author Jianbo Yue, "Requirement of RAS/MAPK Pathway Activation by Transforming Growth Factor-beta for Production in a Smad-dependent Pathway," was published in the Oct. 6 issue of the *Journal of Biological Chemistry*.

TGF-beta is a natural growth inhibitor that is present in all cells. Most solid tumors come from epithelial cells, another focus of Mulder's lab. These solid tumors are the

most difficult cancers to treat and include those of the breast and colon. In cancer cells the TGF-beta is present but does not stop the cells from growing. Mulder's lab is in the process of identifying why this is the case.

"Problems with communication between the proteins in the cell is the key," said Mulder, referring to the proteins in the signaling pathways.

"In this paper we identified a new TGF-beta pathway in the cell. You need to know about each of these pathways so that you can target therapies," said Mulder. "Specific stimulation or inhibition of these signaling pathways can then be evaluated to see what their effects will be on tumor formation."

FROM THE EXPERTS

Medical experts advise on scooter safety

All new recreational activities seem to have safety hazards. The newest craze to hit the streets is scooters.

The U.S. Consumer Product Safety Commission recently released a report about the rise in scooter-related injuries, half of which they say can be prevented by protective equipment, safer playing environments and rules.

"Recently, we have treated several children who have been injured on scooters," said Susan E. Ruicido, pediatric trauma coordinator at The Milton S. Hershey Medical Center and coordinator of the Dauphin County SAFE KIDS Coalition. "We want to get the word out that the injuries can be prevented."

This year, more than 9,400 scooter-related injuries have been reported from January to August. Children ages 14 and under account for 90 percent of all scooter-related injuries, most of which occurred when the rider fell from the scooter. Children ages 8 and under account for nearly a third of all scooter-related injuries. Nearly 30 percent of scooter-related injuries resulted in a fracture or dislocation, often to the rider's hand or arm.

To protect against injuries, children and adults always should wear appropriate safety gear including a helmet, wrist guards, and elbow and knee pads when riding a scooter. Be sure protective gear fits properly and does not interfere with the rider's movement, vision or hearing. Children ages 8 and under should not use scooters without close adult supervision.

For more on this story, check the Web at <http://www.hmc.psu.edu/news/pr/sep/092100.htm>.

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Clean-up time



Autumn is the time to finish those outdoor projects before winter weather sets in, and it's no different at the University. Recently, several people were spotted taking care of projects on the University Park campus. **Above**, Scott Miller of Greenland Construction in Spring Mills washes down the newly rebuilt concrete steps and walkways outside the side exits of Eisenhower Auditorium on the University Park campus. Miller had to make sure debris was cleaned out of the edges and joints before they were caulked.

Photo: Annemarie Mountz



Todd Anderson, an Office of Physical Plant employee, pressure washes the exterior of the power plant on the University Park campus, **above**. **At right**, a worker for the Jottan roofing Co. is safely harnessed as he cleans the side of Osmond Lab on the University Park campus. The company recently finished work on the building's roof, and needed to remove some excess roofing materials that splashed onto the side of the building.

Photos: Greg Gneco





Intercom

INFORMING THE PENN STATE COMMUNITY

OCTOBER 19, 2000

The Crisis of Civility: A message from President Spanier

We are in the midst of a national crisis. It is not a crisis that is in the news or that politicians are pointing to during this election season. But it is a crisis none the less. It is the crisis of civility — and the lack of it appears to be growing.

As an educator, parent and citizen, I am troubled by the erosion of civility, the unwillingness to compromise and the in-your-face rudeness that appears

to have become an accepted part of life in America.

Among the values I hold most dear are sensitivity, tolerance and acceptance. I have tried to stress these ideals whenever I have had the opportunity. The problem goes beyond simple lack of respect for others to more serious matters such as racial discrimination, hate mail, anti-Semitism and other forms of religious intolerance, harassment of gays and lesbians,

rock throwing and alcohol-fueled acts of disorderly conduct.

While these actions are intolerable and create an intimidating, hostile and offensive environment, some acts are even more shocking — like sexual harassment and assault.

The Crisis of Civility, page 2

The Lion is growing

Penn State's student radio station is becoming a major player in the local market

By BILL CAMPBELL
Special to Intercom

The Lion is roaring and staff members at Penn State's student radio station plan to keep it that way.

WKPS, 90.7 FM, now known as The Lion, is a multi-formatted station offering a wide variety of music and programming, including mainstream alternative, jazz, gospel and Latin mix, news and sports programs, and a public opinion show.

"We try to determine what our listeners want and what the radio station can do to fulfill those wishes," Al Bianchi, operations manager, said. "As a student radio station, we have a responsibility to the students who come from all walks of life and from different parts of the country. They have many different music tastes and we try to meet their needs.

"By providing a huge mix of programming, we think we're meeting that goal. At the same time, we felt we needed a new image and for the past six months we've been broadcasting as The Lion. Most listeners identify with the name of a station and not the call letters. Many listeners are now identifying with our new name."

WKPS first went on the air Nov. 1, 1995, and originates from studios provided by the College of Communications in the James Building in downtown State College. It broadcasts 20 hours a day during the week, from 7 a.m. to 3 a.m., and 22 hours on weekends, from 7 a.m. to 5 a.m.

"While the station was created five years ago, we are back to infancy stages in terms of development," said Bianchi, a senior telecommunications major from the Philadelphia area.



Al Bianchi, operations manager for student radio station WKPS, will graduate in December. He said he hopes his replacement at the station will continue to build on the improvements that have been made up to this point.

Photo: Greg Grieco

Benefits costs rising for both the University and its employees

Concerns for the rising costs of health care continue as a critical issue for both employers and employees. This is a national trend and is not limited to specific geographic areas. Unfortunately, the University's health care plans have not been immune from this national trend.

The University remains committed to providing high quality health-care plans that are affordable to both employees and the University. While Penn State is continuing to pay the lion's share of these increased costs, the University cannot absorb the entire amount. A portion must be passed on to employees. This is occurring with employers' plans across the country.

The University presently is paying more than 90 percent of the cost of health-care coverage for most faculty and staff. The goal, as recommended by the Task Force on the Future of Benefits, is for the University to pay 80 percent of the cost for all plans, or 74 percent if dependents are included in coverage.

While increases in University costs will vary by plan, HMO participants are reminded that the percentage of faculty and staff contributions toward the cost of HMO coverage is gradually being increased over a seven-year period and 2001 is the second year of this phase-in.

Specific costs for each of the health plan programs are currently being finalized.

Everything should be finalized

Benefits, page 2

The Lion

Continued from page 1

"Last spring, an inordinate number of staff members graduated and we were left with a skeleton crew. During the summer and fall, we recruited intensely to obtain new staff members. Usually, we have approximately 125 staff members from a variety of majors. Everyone brings his or her own interests and perspectives to the station and that's what helps make it work."

"In the eyes of the University, we are a student club. In the eyes of the Federal Communications Commission, we are a fully functioning radio station and we operate as such. We try to work independently as much as we can but we depend on the University for support."

Bianchi said he and the other officers, Mike Walsh, station manager; Andy Nagypal, treasurer; Anthony Miccio, program director; and Horace Haugton, promotions director and vice president, have developed new logs and new manuals and have implemented expanded training programs for new staff members. The station also is moving from analog to digital broadcasting equipment.

"Digital equipment provides clearer, crisper signals," Bianchi said. "But it is very expensive to make the switch and we are doing a little at a time. We keep adding the necessary equipment to our budget requests to the University. I hope that by next fall the station will be digital and will compete with other area radio stations."

In addition to its broad mix of music, the station also offers a number of special programs. It carries all home football games, broadcasts other Penn State sporting events and does other remote broadcasts. Last month, its urban music show was broadcast from Alumni Hall in the HUB-Robeson Center as part of Late Night Penn State.

The station also has a contract with Web Radio, giving those outside of its listening area the opportunity to tune in by logging onto The Lion's home page at <http://www.clubs.psu.edu/ukps/> and clicking on the link to Web Radio.

Bianchi, who had an interest in radio while in high school, came to Penn State as a psychology major. After meeting someone involved with the station in a communications class, he joined the staff as a morning show host, and then became involved in management of the station.

"I was more interested in working in the background to make the on-air shows successful. That is a challenge here and that's what I wanted to do."

He will graduate in December, while the other officers will graduate in the spring.

"We're hoping to leave in place new officers who will continue to work to make 'The Lion a better station,' he said. "We've made improvements and we'll hand it over to new officers who we hope will improve on what we've done."

Under construction



Workers from Lobar Inc. of Dillsburg are busy working on a new child care facility, which is under construction behind the Pollock dining area on the University Park campus. The 14,000-square-foot facility will be able to serve 140 children. Construction is due to be completed in December.

Photo: Greg Grieco

The Crisis of Civility

Continued from page 1

Such acts go well beyond mere incivility and enter the realm of criminal behavior.

As I survey the events of the past year closest to home, at Penn State, I am alarmed by the growing number of acts that are rooted in anger and insensitivity. Such incidents are especially abhorrent in a university community where we emphasize enlightenment, respect and compassion. Within a university community, we bring together individuals of vastly different backgrounds, viewpoints and personal characteristics. For some, this may be their first true interaction with people with different personal characteristics. We must all strive to live and learn together. It is the right of every member of our community — of any community — to be accepted, respected and supported.

Actions that threaten the dignity or safety of any one of us represent threats to all of us. As disturbing as violent or hateful actions are, our acceptance of such acts is even more distressing. These problems will not take care of themselves. In fact, if left alone, incivility and violence will fester and spread.

As individuals, we each have a role to play — intervening when we see certain behaviors around us, encouraging someone to report an incident, supporting those who speak about incivility, rejecting bigotry, renewing our expectations for a civil society and doing whatever we can to create a safer environment.

"Actions that threaten the dignity or safety of any one of us represent threats to all of us."

President Graham B. Spanier

There will be times when appalling incidents occur — incidents that make us question the moral fabric of the community in which we live, work and learn. When that happens we need to pull together and use every available resource to provide help to victims.

Despite the excellent efforts of so many Penn State staff in dealing with problems that have arisen already this year, a surprising number of communications circulating on campus this semester have been particularly critical and hostile in their tone. I sincerely believe that the most important things we can do are to support each other and to improve the campus climate by addressing problems — rather than attacking those whose constructive efforts might be perceived as falling short.

In my State of the University Address, I spoke about how a "we versus they" approach tends to permeate universities. Our progress will surely be constrained if this is our approach to seeking solutions to the problems of incivility, hate and crime.

My great hope is that Penn State will exist as a shining example of tolerance and respect; as a place where diverse cultures, viewpoints and ideas can come together peacefully and thoughtfully, with an appreciation of why we are all here: to learn, discover and grow as individuals.

Benefits

Continued from page 1

within the next few weeks, and then the University will be mailing out the information and posting it to the Human Resources Web site.

Average HMO premium increases during the last few years were moderate, but generally will rise significantly for the 2001 plan year. Costs for the University's self-insured health plans (Plan A and the Healthpass PPO) have increased more dramatically than the HMOs. As was the case last year, the University again will be absorbing a significant portion of this cost increase. However, some of this

increased cost will be passed on to employees as well.

As with other employer plans, there are multiple causes for the increases, but the major factor remains the dramatic and skyrocketing increases in the cost of prescription drugs.

Costs for Penn State's MPDP program for the first six months of 2000 were 26 percent higher than for the same period in 1999. Part of the reason for this is that information on new drugs, which have no lower-cost generic equivalent, is being targeted directly to consumers through the media by

the drug companies. This puts pressure on the doctors to prescribe these new, higher-priced medications.

Additionally, the advantages of managed care in reducing costs are diminishing, because hospitals and physicians are demanding higher reimbursements to meet their rising costs. Rising costs also have been fueled by advances in medical technology and new methods of treatment.

For updated information, check the Office of Human Resources Web site. Go to <http://www.ohr.psu.edu/> and click on the link to benefits.



Private Giving

Department of English receives gift of \$300,000 to endow poetry center

Sibyl Bursky Grucci of State College has donated \$300,000 to the Department of English to endow the Joseph L. Grucci Poetry Center. The endowment will support the establishment and maintenance of the center, a place Grucci envisions as a repository for creative writing. The center also will house many of the Gruccis' personal possessions.

Grucci is the widow of Joseph Grucci, the first professor to teach a poetry writing workshop at Penn State.

The Grucci center will be in Burrowes Building on the University Park campus, the home of the Department of English. The endowment's funds will be used not only to maintain the physical space for the center, but to enhance a collection of materials related to the writing of fiction and poetry; to fund readings and visiting writers; and to support graduate student fellows to manage the center.

The Gruccis arrived in State College in 1950, when Joe Grucci was recruited from the University of Pittsburgh's English department. His poetry workshop was a first at Penn State, and was a class in which the students' responses to one another's



THE
PENN STATE
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poems were as important as Grucci's own criticism of the work.

The class led Grucci to found the literary journal *PIVOT*. For many years, the journal carried only the work of his students. It eventually grew to become a force in American poetry and is still published today as a journal of contemporary international poetry by a group of editors in New York City.

Sibyl Bursky Grucci is a sculptor, and her work has been exhibited around the country. At Penn State, her bust of Fred Lewis Pattee, considered the founder of the study of American literature, graces the lobby of the library named after him. Another of her sculptures, "Dancer," will have a permanent home in the Grucci Poetry Center.

Many of Joseph Grucci's books also will reside there, including rare first editions, numerous journals and collections, issues of *PIVOT* and three collections of poems by Eugene McCarthy, the man more famous for his Senate career than his verse. The McCarthys and the Gruccis were friends, and Joe Grucci is mentioned in one of McCarthy's books.

Liberal arts' oldest alumnus endows new scholarship

Charles Dewey Prutzman of Forest Hills, N.Y., has pledged \$100,000 to endow an undergraduate scholarship in the College of the Liberal Arts. At 102 years of age, Prutzman is thought to be the college's oldest living alumnus.

Known as a philanthropist in his home town of Palmerston, near Reading, Prutzman has long lent a hand to charities and organizations in the Lehigh Valley, as well as to his fraternity, Delta Upsilon, in which he has held numerous positions.

The scholarship, set up so that students from the Palmerston area have first consideration, is intended to help deserving students studying in any area of liberal arts.

After graduating from Penn State in 1918, Prutzman enlisted in the U.S. Army and soon had duties in officer training, where he remained until the Armistice. He attended Yale Law School, and after graduating joined the New York law firm of Chadbourne, Hunt, Jackel and Brown, where he worked until 1939. That year, he became vice president and general counsel, assistant chairman of the board of directors and executive committee member, all at Universal Pictures in California.

After his retirement in 1950, Prutzman traveled the world and served in Delta Upsilon's national organization, at one time holding the office of national president. In 1980 he was named a Distinguished Alumnus by Penn State.

Prutzman is one of five brothers to graduate from Penn State. His son and daughter both also earned Penn State degrees, as have several of his grandchildren.

PENN STATERS

Patricia A. Book, associate vice president for outreach and executive director of Continuing Education, presented "The Critical Role of Continuing Education in the New Economy" at the Xth Congreso Internacional de Educación Continua in Colima, Mexico.

Diane Ryan, executive director of the Penn State Alumni Association, participated on a panel discussion at the 2000 MBNA Management Conference in Maine. She joined four other MBNA affinity members in a discussion on the credit card programs administered by MBNA America Bank, N.A. at their respective organizations.

Amanda H. Spink, associate professor of information sciences and technology and associate librarian, is listed among the most productive and most widely cited scholars in her field in a recent article published in *The Library Quarterly*. The article, "Scholar Productivity of U.S. LIS (Library Information Science) Faculty: An Update," lists Spink fifth nationally among more than 700 scholars who published in select journals between 1993 and 1998. The same study said that she also was one of the experts cited most frequently by others writing in the field of library information science, ranking 18th.

H. Randolph Thomas, professor of civil engineering, has been named the 2000 Peurifoy Construction Research Award winner by the American Society of Civil Engineers. The award recognizes Thomas' pioneering work in productivity measurement, analysis, improvement and control, and real-time data collection techniques.

Work continues on schedule



Construction continues on the Beaver Stadium expansion at University Park. Some parts of the renovation and expansion project already are completed, including a new concourse in the east stands, new ramps and stairs, concession stands and restrooms, and reconfigured scoreboards, including a new state-of-the-art, 160-by-40-foot scoreboard which boasts video replay capability. The \$93 million project will add approximately 11,000 seats, including 58 luxury suites and 4,000 club seats with access to a large lounge area. Other features include an all-sports museum, new locker and media rooms, new and renovated restrooms and concession areas, and an improved exterior façade. It is expected to be completely finished in time for the 2001 season.

Photo: Greg Gieco



Lectures

Community discussion will assess modern journalism

Nationally respected journalist, author and media watchdog Tom Rosenstiel will outline nine core principles of journalism and provoke discussion among local and regional community members at a panel discussion on Thursday, Oct. 26.

"Assessing Modern Journalism: A Community Discussion," an outreach service of Penn State's College of Communications, will be held at 7:45 p.m. in Keller Auditorium, 104 Keller Building, University Park. The event is free to the public.

Rosenstiel is vice-chairman of the Committee of Concerned Journalists and director of the Project for Excellence in Journalism. The committee, an initiative financed by the Pew Charitable Trusts "to clarify and improve journalism standards," recently conducted a study in an effort to examine the core



Tom Rosenstiel

principles of journalism. The committee drafted a "Statement of Shared Purpose," which Rosenstiel will outline.

Along with Rosenstiel, the panelists are: Candace Morris Dannaker, mayor of Bellefonte; Harry J. Deitz, president of the Pennsylvania Society of Newspaper Editors and assistant managing editor of the *Reading Eagle* and *Reading Times*; and Robert S. Friedman, professor emeritus of political science. The event will be moderated by Robert D. Richards, associate dean for undergraduate education and faculty development for the College of Communications and interim head of the Department of Journalism.

For more information, call Angie Brown at (814) 865-8801 or e-mail aab7@psu.edu.

World War II mapmaker is topic of talk

Maps librarian Joanne Perry will give a presentation on "Viewing the World: Richard Edes Harrison and the Art of Cartography," at 3 p.m. Tuesday, Oct. 24, in Foster Auditorium in Pattee Library, University Park.

Harrison produced some of *Fortune's* most famous maps in the 1930s and 1940s.

Perry, who heads the Maps Library, will be showing slides of Edes' *Fortune* work from that time period.

For more information about the talk, call Perry at (814) 865-0139 or e-mail jup4@psu.ia.psu.edu.



Joanne Perry

Talk radio host to speak at New Kensington

Lynn Cullen, a two-decade fixture in Pittsburgh talk radio, will be the featured speaker at 5 p.m. Oct. 24 at Penn State New Kensington's "The Millennium Woman: A Celebration of Women."

Cullen's talk, in the campus Activities Building Theatre, will be on "The Millennium Woman: Issues and Challenges."

She will headline an event that begins with registration at 4:30 p.m. and will also feature an hors d'oeuvre reception; a fashion show; interest tables; a

speaker from Alle-Kiski Hope Center, an agency which assists battered women; entertainment by Penn State New Kensington student vocalists and dancers; and investment advice from Aveline Bosin, a financial adviser and vice president of Prudential Investments. Bosin's topic is "Smart Women Finish Rich."

Tickets to the event are \$6 and may be purchased at the door. For reservations and information, call (724) 334-6097.

Seminar examines balancing work and family

The Department of Labor Studies and Industrial Relations will hold a professional seminar, "Work and Families: A Balancing Act for Employers and Employees," from 3 to 5 p.m. Oct. 26 in 215 Willard Building, University Park.

The seminar will include a variety of speakers, plus group discussions on work family policies that participants would like to implement.

In addition, there will be a Distinguished Alumni Lecture by Thomas Stripy, senior vice president of human

resources and general affairs at Summitomo Corp. of America, on "Evolution and Revolution: The Human Resources Function in a Bi-Cultural Environment," at 8 p.m. Oct. 26 in the HUB-Robeson Heritage Room, University Park.

For more information or to register for the free seminar, call (814) 865-5425 or e-mail kbh289@psu.edu.

Registration deadline is Oct. 22. More information about the work family initiative is available on the Web at <http://lsr.ia.psu.edu/>.

International relations expert to speak at Oct. 26 Penn State Forum

Erik R. Peterson, senior vice president and director of studies at the Center for Strategic and International Studies (CSIS), will give a talk on "Reflections on the Impact of Technology on U.S. International Engagement" at noon Thursday, Oct. 26, at The Penn State Conference Center Hotel on the University Park campus. Peterson's talk is part of the Penn State Forum series.



Erik R. Peterson

Peterson oversees the development and implementation of the center's research agenda of more than 100 ongoing projects and the publications program. He also holds the William A. Schreyer Chair in global analysis.

There has been a change in speaker for the Nov. 3 Penn State Forum. Daniel S. Goldin, administrator at NASA, will be out of the country and is unable to

attend, as had been announced in the Oct. 12 *Intercom*. However, NASA has scheduled Samuel L. Veneri, associate administrator for aerospace technology to make the presentation.

The Penn State Faculty Staff Club Forum is a luncheon speaker series partially sponsored by the Penn State Bookstore and

open to the public. Tickets are \$11 and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center, University Park.

Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. and is followed by the speech and a question-and-answer session at noon. For more information call (814) 865-7590.

Professor of the paranormal brings ghost tales to Penn State DuBois

Step into the world of the paranormal when Loyd Auerbach presents *True Tales of Ghosts and Hauntings* on Thursday, Oct. 26, at Penn State DuBois.

The program begins at 7 p.m. in the Hiller Building auditorium. Sponsored by the Student Life Department, the presentation is free to the public.

Auerbach, director of the Office of

Paranormal Investigations, has been investigating cases of apparitions, hauntings and poltergeists for more than 20 years. He will offer tales of some of his most exciting and perplexing ghost hunts, and will share some of his more bizarre encounters with spirits.

For more information about the program, call Rebecca Pennington at (814) 375-4766 or (800) 346-ROAR.

Next comparative literature lunch is Oct. 23

Elana Shohamy, chair of the Language Education Program School of Education at Tel Aviv University and visiting professor at University Park, will speak on "Language Policies and Multi-Linguism in Israel: Implications for the United States" at the next Department of Comparative Literature luncheon, planned for Monday, Oct. 23.

The presentation, which is open to the public, starts with lunch at 12:15 p.m. in 102 Kern Building on the University Park campus. The presentation and discussion will run from 12:40 to 1:20 p.m.

Attendees may bring a lunch, or purchase lunch in the Kern cafeteria. Coffee and tea will be provided.

Drug, alcohol awareness program planned

Penn State DuBois will hold an alcohol awareness program, "The Four Stages of Drinking," from noon to 1:30 p.m. Wednesday, Oct. 25, in the Hiller Building Auditorium on the campus.

The program is presented by the campus Student Life Department and is free to the public.

Mike Green, president of Collegiate

Consultants on Drugs and Alcohol, will be the guest speaker. Over the past 10 years, Green has visited more than 1,000 campuses nationwide in his effort to make drug and alcohol awareness and education an integral part of every student's life.

For more information, call Rebecca Pennington at (814) 375-4766 or (800) 346-ROAR.

Art history lecture to be given on Oct. 26

Elizabeth Alice Honig will give the third Harold E. Dickson Memorial Lecture in Art History at 6 p.m. Thursday, Oct. 26, in the Palmer Museum of Art's Lipson Auditorium, University Park.

The lecture, "Configurations of Commercial Space: Three Places of Finance in Early Modern Northern Europe," addresses issues of secrecy and information in commercial architecture and its representation, focusing on exchange

sites in Antwerp, London and Amsterdam in the 16th and 17th centuries.

Honig is associate professor of the history of art at the University of California at Berkeley. Her lecture will be of special interest to those concerned with economic and business history, issues of urban planning, and art and architectural historians.

A reception will follow. This event is free to the public.



More Lectures

Feminist Scholar Series begins Oct. 26

Lorraine Code, distinguished professor in the Department of Philosophy and the Graduate Programs in Social and Political Thought, and Women's Studies, at York University in Toronto, will introduce the 2000/2001 Feminist Scholar Series with her talk on "Knowledge, Naturalism, Responsibility and Trust" at 4 p.m. Thursday, Oct. 26, in 102 Kern Building, University Park.

Author of numerous articles in feminist theory, Code will interrogate some of the subtle effects of beliefs in the autonomy of knowledge, evaluating the role of corporate vested interest in the pursuit of "pure knowledge."

Other speakers in the series include Katha Pollitt on "Feminism in the Millennium," Nov. 12; Maria Pia Lara on "Women's Autobiographies as Illocutionary Models: Rigoberto Menchu's Story," Feb. 13, 2001; and Evelyn Hammonds on "Race and the Feminist Critique of Science," April 19, 2001.

The events are open to the public.

The Feminist Scholar Series is sponsored by the Women Studies Program in the College of the Liberal Arts.

For more information, call Amy Dietz at (814) 863-4026, e-mail ard5@psu.edu or check the Web at <http://www.psu.edu/womenstudies/>

Human development scholar to speak Oct. 27

Peggye Dilworth-Anderson, Elizabeth Rosenthal Excellence professor of human development and family studies at the University of North Carolina at Greensboro, will give a presentation on "The African American Family at the New Millennium: Concerns, Promises and Hope."

Dilworth-Anderson's career has included extensive research in the

areas of minority families and aging. The event, sponsored by the College of Health and Human Development diversity committee, will be held at 2:30 p.m. Friday, Oct. 27, in 209 South Henderson Building. A reception will follow in the Living Center, 110 Henderson Building.

For more information, call Joyce Hopson-King at (814) 863-1291 or e-mail juh4@psu.edu.

Symposium deals with cohabitation issues

The annual National Symposium on the Family will be held Oct. 30-31 at The Nittany Lion Inn, University Park.

This year's topic is "Just Living Together: Implications of Cohabitation for Children, Families and Social Policy." Symposium organizers are Alan Booth, distinguished professor of sociology and human development, and Ann Crouter, professor of human development.

The symposium is one in an annual series of interdisciplinary family symposia held each fall at the University.

For a brochure and registration materials, call, write or e-mail Kim Zimmerman, Population Research Institute, 601 Oswald Tower, University Park, Pa. 16802-6211; phone, (814) 865-0486; fax, (814) 863-8342; and e-mail, kzimmer@pop.psu.edu.

Genetic modification topic of "Conversation"

The final get-together in the Fall 2000 Conversations at Kern Series will be held from 5:15 to 6:30 p.m. Wednesday Nov. 1, in 112 Kern Graduate Building on the University Park campus. The topic for discussion will be "Genetically Modified Organisms: Monsters or Miracles?" The date of this conversation has changed from Nov. 6, as previously announced.

Guest speaker Nina V. Fedoroff, director of the Life Sciences Consortium and the Biotechnology Institute

and Willamam professor of life sciences, will describe how genetic engineering is increasingly being used in the production of agricultural crops.

The Conversations at Kern Series is intended for graduate students, postdocs and faculty members, to facilitate an informal exchange of information and ideas to enhance the quality of the Penn State graduate experience.

Refreshments are available at 5 p.m. and registration is not required.

Distinguished speaker



Actor, director and activist Christopher Reeve told an audience of more than 4,000 that, "None of us are strangers — we're just equals who haven't met yet. If you can put yourself in others' shoes for just a little while, miracles can be achieved." Reeve spoke at the Bryce Jordan Center Oct. 12 as part of the Distinguished Speaker Series. For information about upcoming speakers in the series, check the Web at <http://www.sa.psu.edu/dss/>.

Photo: Greg Grisco

Worldwide teleconference set for Nov. 15

Join viewers at 200 closed-circuit locations across the nation and in 50 countries around the world on Wednesday, Nov. 15, for the fifth annual teleconference on "Worldwide Lessons in Leadership."

During this one-day event, participants will learn vital professional and personal techniques from three of the world's leading experts via live, closed-circuit coverage.

The day will open with personal insights from one of the world's most inspiring leaders, Nobel Peace Prize-winner Nelson Mandela.

A variety of other well-known people will share their expertise in an executive panel.

For more information about registration fees and locations, call Melissa Pressler at (814) 863-9873.

Faculty and staff interested in attending at University Park should register by calling (800) 689-9771 before Nov. 15.

Faculty and staff who are interested in participating in Altoona should call Teryl Shield at (814) 949-5048; at Penn State Erie, call Paul Newlin at (814) 898-6005.

AWARD

Professor of organizational behavior receives fellowship in business ethics

Linda Treviño, professor of organizational behavior and chair of the Department of Management and Organization in The Smear College of Business Administration, has been named as the recipient of the Franklin H. Cook Faculty Fellowship in Business Ethics.

The fellowship provides funds to an outstanding, known internationally

member of the college to assist the holder in continuing and furthering his or her contributions in teaching, research and public service.

Treviño has been on the faculty since 1987. Her research and writing on the management of ethical conduct in organizations is widely published and well-

known. Franklin H. Cook, professor emeritus of business law, taught at the University for more than 50 years. Cook's distinguished achievements as a teacher and researcher helped build the college's reputation for excellence. His wife, Ann Graybill Cook, established the fellowship in his honor.



News in Brief

Guard the lion

The Penn State Lion Ambassadors, the student corps of the Alumni Association, will hold a party to coincide with the traditional event of guarding the Lion shrine from 10 p.m. to 1 a.m. Friday, Oct. 20, following the Candlelight Vigil on Old Main lawn. University Park Students, alumni and all Penn State fans may attend the festivities surrounding the guard watch. Musical entertainment, magicians, speakers, and free pizza and hot drinks will be offered.

Cancer is topic of

Spanier radio/TV call-in

Environmental links to cancer will be the topic of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly call-in show airing at 7 p.m. Tuesday, Oct. 24, on WPSU-FM (91.5, 106.7, 95.1, 90.1, 100.9 and 104.7) and on WPSX-TV. This show is the first of many that will be broadcast on both radio and television.

Spanier's guests will be Sandra Steingraber, cancer survivor and author of *Living Downstream: An Ecologist Looks at Cancer and the Environment*, and Witold Rybka, chief of medical oncology at The Milton S. Hershey Medical Center.

Listeners with questions or comments are encouraged to join the discussion by calling (800) 543-8242 during the one-hour broadcast. Internet users worldwide can link to sound and pictures from the program at <http://www.psu.edu/or/tech/tech.html>; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of national and local interest and to allow listeners a chance to communicate directly with Penn State's president.

October blood drive

The American Red Cross, Centre Communities Chapter, will conduct a blood drive from 9 a.m. to 3 p.m. Thursday, Oct. 26 in Hammond Building on the University Park campus.



The traditional guarding of the Lion shrine near Rec Hall on the University Park campus will take place Friday, Oct. 20, following the Candlelight Vigil on Old Main lawn. Students, alumni and all Penn State fans may attend the festivities surrounding the guard watch. For more information, see the story on this page.

Photo: Buzz Roberts

Appointments are recommended for the drive, which is sponsored by the College of Engineering. To schedule, call Donna Schroyer at (814) 865-1831 or e-mail djsdo@engr.psu.edu.

To confirm donor eligibility, call American Red Cross Regional Blood Services at (800) 54-BLOOD, extension 2797.

WISE conference

The Women in the Sciences and Engineering (WISE) Institute will hold the 11th annual Expanding Your Horizons Conference in Science, Mathematics and Engineering for sixth-, seventh- and eighth-graders, along with their teachers and parents, on Saturday, Oct. 28.

The primary goal of the conference is to interest young women in scientific or technical careers by providing them with knowledge and experiences related to these types of careers. It is designed to present this information at a time when students are making important academic decisions about taking mathematics and science courses in school.

The program fee is \$5 per participant and includes lunch.

For more information or to obtain a registration form, call the WISE Institute at (814) 865-3342, fax (814) 863-0085, e-mail cxg1@psu.edu or visit the WISE Web site at <http://www.psu.edu/dept/wise/>.

Volunteers needed

The Department of Biobehavioral Health is conducting a study on whether an amino acid (arginine) alters blood pressure or cholesterol in men.

Participants must be male, aged 30-60, and may not be taking medications for blood pressure or cholesterol. Participants will receive information on their blood pressure and cholesterol and financial compensation for participating.

For more information or to participate, call (814) 863-3168 and leave a message about the arginine study, which is being run by Sheila West.

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters.cfm>.

■ Pakua — WEL 218

Pakua is one of the primary internal systems of Chinese martial arts.

Meets noon to 1 p.m. Mondays, Oct. 23 through Dec. 4, in the Eisenhower Chapel Frizzell Room. Cost: \$25.

■ Breathe Easy: A Holistic Approach to Sinus and Ear Infections — WEL 194

Learn how air quality, diet water intake and lack of key nutrients causes chronic sinus and ear infections. Meets noon to 1 p.m. Thursday, Oct. 26, in 118 Agricultural Sciences and Industries Building. Cost: \$5.

Stay informed

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Teacher training



Matt Fuquay, left, and Steve Derion, members of David W. Saxe's social studies education course. Saxe, associate professor of curriculum and instruction, teaches courses in social studies methods. In this particular class, his students were getting some first-hand experience in Medieval battle near The Center for Medieval Studies' Medieval Garden on the University Park campus.

Photo: Greg Grieco

Engineering graduates named Alumni Fellows

Two graduates of the College of Engineering, Harold L. Ergott and Herbert C. Graves, have been named 2000 Alumni Fellows by the Penn State Alumni Association.

Ergott earned two degrees in electrical engineering at Penn State: a bachelor's degree in 1956 and a master's degree in 1959. He began his career at IBM, where he designed computer systems for the Gemini spacecraft and the Saturn V rocket. After 17 years with IBM, Ergott joined United Technologies Corp. (UTC) as general manager of the data system division. He was eventually named president of UTC's microelectronics research facility and chairman and CEO of Mostek Semiconductor.

Ergott left UTC in 1985 to found JHM Enterprises, a consulting firm specializing in mergers and acquisitions of troubled technology companies.

He was named a College of Engineering Outstanding Alumnus in 1983 and served on the college's Industrial and Professional Advisory Council for 11 years.

Graves received his bachelor's degree in industrial engineering in 1950. Following graduation, he embarked on a 25-year career with Tectron Inc., eventually serving as president of four manufacturing companies: Gibson Puerto Rico, Gibson Electric, Polaris Industries, and Talon Co.

In 1975 he joined Allegheny International, where he held the positions of president of True Temper, corporate vice president and corporate group vice president. In 1988 Graves was named chairman, president and CEO of Freedom Forge Corp.

Graves was named a College of Engineering Outstanding Alumnus in 1991 and served on the executive board of the Penn State Alumni Council.

College of the Liberal Arts names distinguished alumnus

Thomas Stripay, senior vice president of human resources and general affairs at Sumitomo Corp. of America, was named the College of the Liberal Arts' Labor Studies and Industrial Relations Distinguished Alumnus for 2000.

Stripay joined Sumitomo Corp. of America in 1985 as vice president of human

resources with the charge to "Americanize" this traditional Japanese company's U.S. operations.

In 1998 he was named senior vice president for human resources and general affairs, assuming additional responsibilities for administration.

He will speak on "The Human Resources Function in

a Bicultural Environment" at 8 p.m. Thursday, Oct. 26, in the HUB-Robeson Heritage Room on the University Park campus. The event is free to the public.

For more information, call Amy Dietz at (814) 863-4026, e-mail ards@psu.edu or check the Web at <http://lsir.la.psu.edu/>



Thomas Stripay

New lot doubles student parking at DuBois campus

With the toot of a horn and few laps in a shiny, brand-new Chrysler borrowed just for the occasion, student leaders officially opened a new 229-vehicle student parking lot at Penn State DuBois.

The new lot doubles student parking at the campus and increases total parking there by nearly 70 percent.

The new facility sits on a 2.9-acre tract of land at the base of Monument Hill, resting place of John DuBois, town founder. DuBois' gravesite, topped by a statue of a woman symbolizing Hope, looks directly over the lot, but until recently was completely obscured from view by overgrown brush.

Lee Simpson and Associates of DuBois designed the lot, which measures 108 feet by 728 feet. HRI Inc. of Brookville was the contractor.

The parking lot was only the first step in a project aimed at transforming Monument Hill. The DuBois Educational Foundation acquired the 10.4-acre Monument Hill site for the campus this past spring. Now, with the help of local residents, the campus hopes to embark on a project that will transform the property into an area that will be able to be enjoyed both by students and the community.

Tentative elements of the proposed plan include:

- The Path of Peace, a viewing path that leads up the hill to the DuBois monument;

- The Circle of Hope, a grassy, hilltop meadow featuring natural stone markers and a viewing pavilion;

- A nature walk trail that rings the hill and includes plant communities, a campus tree planting project, the Council of Pines living classroom and a paracourse for exercise;

- The Cliffs, an adventure playground lined with gardens that community groups plant and maintain;

- The Walnut Grove, an amphitheater built into the natural slope of the hillside, to be used as a classroom setting and for community performances; and

- Cardboard Hill, a steep-sloped recreation area named after a hill local children used to enjoy careening down on homemade cardboard sleds.

The park is the brainchild of local community leaders, the campus and the Hamer Center for Community Design Assistance at Penn State. Based at University Park, the Hamer Center provides a forum for the public and the University to work together on community design issues. Inherent in the center's mission is the desire to design projects that meet the needs of a community.



Arts & Entertainment

Homecoming concert

The Penn State Glee Club will present "Homecoming 2000" at 8:30 p.m. Saturday, Oct. 21, in Schwab Auditorium on the University Park campus.

The Glee Club is under the direction of conductor Steven Zopfi, instructor of music, and associate conductor Frank Worrell, associate professor of education. The concert will also feature performances by the Hi-Lo's, the Nittany Nuggets Quartet, and the Varsity Quartet.

Tickets are \$6 and \$2 and can be purchased at Eisenhower Auditorium and The Bryce Jordan Center.

Castalia Ensemble

The Castalia Ensemble will present a concert at 8 p.m. Wednesday, Oct. 25, in the School of Music Recital Hall on the University Park campus. The concert will feature various combinations of the following performers: pianist Marylene Dosse, professor of music; violinist James Lyon, associate professor of music; violist Tim Deighton, assistant professor of music; cellist Kim Cook, associate professor of music; and bassist Rob Nairn, assistant professor of music.

This performance will be the Castalia Ensemble's debut as a quintet at Penn State. The ensemble evolved from the Castalia Trio, originally composed of Dosse, Cook and Lyon. Deighton joined the group in 1998, and Nairn joined this year.

The concert is free to the public.

Bach's Lunch

The Penn State Concert Choir, under the direction of Steven Zopfi, instructor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 26, in the School of Music Recital Hall on the University Park campus.

The Concert Choir, which consists of 52 singers, also will present its fall concert at 8 p.m. Sunday, Oct. 29, in the Recital Hall.

After the Bach's Lunch concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

PROMOTIONS

Staff

Kenneth F. Ball, document distribution coordinator in Business Services

Kathleen E. Bender, staff assistant V at Penn State Dubois

Kenneth E. Biddle, research support assistant in College of Earth and Mineral Sciences

Cindy L. Bierly, administrative assistant I in College of the Liberal Arts

Robert Booz, director of development in Division of Development and Alumni Relations

Madonna V. Brown, staff assistant V at Penn State Shenango

Mary L. Carns, assistant coordinator, contracts and grants management in College of Engineering

Donna M. Carotenuto, staff assistant VI at Penn State Great Valley

Ginger D. Clayton, assistant extension agent in College of Agricultural Sciences

Karen A. Corl, staff assistant VI in College of Engineering

Theresa F. Cummins, assistant director, union operations in Student Affairs

Amy S. Davis, staff assistant V in Office of the Vice President for Research

Susan M. Donlan, assistant coordinator, contracts and grants management in Eberly College of Science

Helen L. Edson, staff assistant VI in College of Engineering

John F. Endlerlin, area representative at Penn State York

Cynthia A. Flango, staff assistant VIII in The Smeal College of Business Administration



The Cypress String Quartet will perform for Music at Noon: Logan Wintergarden Series Wednesday, Oct. 25, in the Wintergarden of the Reed Union Building at Penn State Erie. The performance is free to the public.

Recital

The Penn State Horn Studio will present a studio recital at 8 p.m. Thursday, Oct. 26, in the School of Music Recital Hall on the University Park campus. The free recital will feature performances by undergraduate music majors in the School of Music.

Book exhibit

Books published by the Commonwealth College are on display through Oct. 30 in the entrance lobby of Pattee Library on the University Park campus.

The faculty scholars of the Commonwealth College actively engage in a variety of research, scholarly and creative service activities in addition to teaching.

The books in the exhibit demonstrate the faculty's expertise in a wide variety of disciplines and describe their fields of interest.



BRYCE JORDAN CENTER

Three concerts bring wide variety of styles to stage

Three events have recently been announced for November and December at The Bryce Jordan Center.

Country music

Country music stars Travis Tritt and Patty Loveless, with Country Music Awards Duo of the Year Montgomery Gentry, will be at The Bryce Jordan Center at 7:30 p.m. Friday, Nov. 17.

Tickets are \$28.50 for reserved seats and go on sale at 6 p.m. Friday, Oct. 20. Wristbands will be made available from 8 a.m. to 5 p.m. Oct. 20 for ticket-buyers at The Bryce Jordan Center only.

Boston Pops

Conductor Keith Lockhart and the Boston Pops Esplanade Orchestra will bring Boston's favorite holiday tradition to Penn State for the first time ever with a performance at The Bryce Jordan Center at 8 p.m. Monday, Dec. 4.

Tickets are \$49.50 and \$39.50 for reserved seats. A limited amount of VIP table seating also is available at \$89.50. A special holiday buffet can also be ordered to complement the VIP table seating. For more information, call (814) 865-5555.

This evening of music will feature the Boston Pops' own arrangements of seasonal favorites with traditional carols sung by the Cape Cod (Mass.)-based chorus Gloria Dei Cantores.

For more information about The Boston Pops, check the Web at <http://www.bso.org/>.

Child of the Promise

Building on his past successes with the "Young Messiah" and "Emmanuel" tours, artist manager Norman Miller will present his most ambitious production to date, the "Child of the Promise" tour, at 7:30 p.m. Thursday, Dec. 7, at The Bryce Jordan Center.

Tickets are \$28.50 and \$15 for reserved seats. For groups of 15 or more, call (814) 863-1812 for discounted group rates.

Written in the style of a Broadway musical, the production brings to life the story of the birth of Christ. The Christmas story features the vocal and acting talents of 18 Christian artists, a full orchestra and a 200-voice choir conducted by Michael Omartian.

Tickets for both events are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 and (814) 865-5555, or online at <http://www.bjc.psu.edu/>.



University Park Calendar

October 20 - October 29

SPECIAL EVENTS

Friday, October 20

Spike Heels, by Theresa Rebeck, 8 p.m., through Oct. 28, 2 p.m. matinee
Oct. 28, The Playhouse.

Saturday, October 21

Penn State Tailgater, The Bryce Jordan Center.

MUSIC

Saturday, October 21

The Penn State Glee Club "Homecoming 2000," Steven Zopfi and Frank Worrell, directors, 8:30 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

Wednesday, October 25

Peter Pan, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Thursday, October 26

The Penn State Concert Choir, Bach's Lunch, Steven Zopfi, director, 12:10 p.m., Recital Hall.
The Penn State Horn Studio, 8 p.m., Recital Hall.

SEMINARS

Friday, October 20

Consuelo O'Moreas on "Ecological Interactions in Trophic Systems: The Role of Chemical Cues," 11:15 a.m., 504 Agricultural Sciences and Industries.

Gen. James L. Jones on "The Role of the Marine Corps in the 21st Century," 11:30 a.m. to 1 p.m., President's Hall, The Penn State.

Bernard de Wit on "Stationar ePS Solutions in N=2 Supergravity with R²-Interactions," 2:30 p.m., 31B Osmond Laboratory.

Saturday, October 21

Linda M. Burton on "Learning to Labor: Adolescent Kinwork in Multigeneration Families," 9 a.m., The Nittany Lion Inn.

Monday, October 23

Theresa Mayer on "Thrust 1 — Tunable Photonic Materials," noon, 399 Ovey Laboratory.

Mary Gage on "Things Every Adviser Should Know about UFDs (Undergraduate Fellowship Opportunities)," noon to 1 p.m., 11B Agricultural Sciences and Industries.

Eliana Shohamy on "Language Policies and Multi-Linguism in Israel: Implications for the United States,"

12:40 to 1:20 p.m., 102 Kern.
Hanno Sahlmann on a subject to be announced, 2:30 p.m., 31B Osmond Laboratory.

Jeffrey M. Friedman on "Genetic Basis of Obesity in Humans," 3:30 p.m., 10B Wartik Laboratory.

Tuesday, October 24

Kenneth Schweizer on "Structure, Phase Separation and Slow Dynamics in Polymer-Colloid Suspension," 10 a.m., 14B Fenske Laboratory.

Joanne Perry on "Viewing the World: Richard Edes Harrison and the Art of Cartography," 3 p.m., Foster Auditorium, Pattee Library.

Mark Strickman on a subject to be announced, 3:30 p.m., 31B Osmond Laboratory.



Peter Pan gains the upper hand over Captain Hook in the national tour of the family musical *Peter Pan* coming to Eisenhower Auditorium at 7:30 p.m. Wednesday, Oct. 25, presented by the Center for the Performing Arts. For tickets, call (814) 863-0255.

Ben Vollmayr-Lee on "Coarsening with Anisotropy: What We Can Learn from an Exact Solution," 3:30 p.m., 339 Ovey Laboratory.

Arlin F. Suber on "Food Frequency Questionnaires: Research at the National Cancer Institute to Improve Questionnaire Design and Analyses," 4 p.m., S-209 Henderson.

Wednesday, October 25

Alan Montgomery on "Designing a Better Shopbot," noon to 1 p.m., 201 Keller.
Peggy Oilworth-Anderson on "How Extended is the Extended African Family in Providing Support to Dependent Elders?" noon to 1 p.m., 10B Wartik Laboratory.

Rejane Guimaraes on "Bioactive Proteins of an Andean Crop — *Tropaeolum Tuberosum*," 12:20 to 1:10 p.m., 14B Tyson.

Thursday, October 26

Erik R. Peterson on "Reflections on the Impact of Technology on U.S. International Engagement," 11:30 a.m. to 1 p.m., President's Hall, The Penn State. For ticket information, call (814) 865-7590.

*Work and Families: A Balancing Act for

Employees and Employees," 3 to 5 p.m., 215 Willard.

Wilson Mo on "The Virtues of Being Single — A Molecular View," 4 p.m., 117 Osmond Laboratory.

Lorraine Code on "Naturalism, Responsibility, and Trust," 4 p.m., 102 Kern.
Elizabeth Alice Honig on "Configurations of Commercial Space: Three Places of Finance in Early Modern Northern Europe," 6 p.m., Upcon Auditorium, Palmer Museum.

Tom Rosenstiel on "Assessing Modern Journalism: A Community Discussion," 7:45 p.m., 104 Keller.
Thomas Striyo on "Evolution and Revolution: The Human Resources Function in a Bi-Cultural Environment," 8 p.m., HUB-Robeson Heritage Room.

Friday, October 27

Nancy Ostguy on "Busy? Numb? Crunching for the Nimble," 11:15 a.m., 11B Agricultural Sciences and Industries.
Peggy Oilworth-Anderson on "The African American Family at the New Millennium: Concepts, Promises and Hope," 2:30 to 3:30 p.m., 209-S Henderson.

Julia Flanders on "Oata the Unwritten, Oata the Unwriter," 3:30 p.m., Foster Auditorium, Pattee Library.

Alan Taylor on "The Role of People, Fire, and Climate Variation on Forest Dynamics in the Lake Tahoe Basin," 4 p.m., 301 Steidle.

Andrew Mazor and Mike Tower on "REBOOT: Rethinking the Design Thesis," 4 p.m., 101 Engineering Unit O.

CONFERENCE

Saturday, October 28

"Expanding Your Horizons," science, mathematics and engineering conference for 6th, 7th and 8th-graders. To register, call (814) 865-3342.

EXHIBITS

HUB-Robeson Center

"Entire-Ethiopia, Prayers for Peace" and "Africa: Myth, Magic and Reality," paintings by Betty LaDuke, through Oct. 25.

"Matters of Mind, Perceptions of the Natural World," drawings and collages by Susan Parsonage and Christopher Staley, through Oct. 3.

Historic Synagogues of Turkey, photographs and architectural drawings, through Oct. 3.

"Restless Metropolis," photography by Denton W. Smith Jr., through Nov. 30.

Kern exhibit area

"The Oreforest Collection of Folk Pottery from the Matson Museum of Anthropology," through Oct. 7.

"The Prehistory of Penn State," through Oct. 25.

"Germany: Divided and Reunited, 50 Years of Post-War German History," through Nov. 30.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," through Oct. 10.

"Old Master Prints and Drawings from the Permanent Collection," Special Exhibitions Gallery I, through Oct. 10.

"Master Drawings from the Collection of Alfred Moir," Special Exhibitions Gallery II, through Oct. 10.

"An Interlude in Giverny: The French Cavalier," by Frederick MacMormies, Oct. 24 through Feb. 25.

Pattee Library

"The Evolution of a Great Library — Penn State University Libraries," exhibit area, through Oct. 29.

"Faces of Children," 109 Pattee, through Nov. 1.

Books published by faculty in Commonwealth College, through Oct. 30.

West Halls exhibit area

"The Digital Photography Studio," student exhibition, through Oct. 27.

For a full listing of University Park activities, including sporting events, go to the Web at <http://ccsc.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Partings

Professor emeritus still active as senior scientist

John D. Swisher, professor emeritus for the Department of Counselor Education, retired in May. He had been a faculty member within the College of Education since 1969.

Swisher received his doctorate from The Ohio State University in 1967, and taught at Temple University before arriving at University Park. Before his time in the Department of Counselor Education, he had been a junior high school science teacher and a senior high school counselor in Ohio. He also served as the director for Student Affairs at the Newark campus of Ohio State.

Swisher's research specialty has been the evaluation of substance abuse prevention programs in schools

and colleges. During his academic career, he launched an outreach program in Chemical Dependency Counseling that was offered at nearly every campus, and at its peak enrolled more than 1,400 students in three-credit courses.

Swisher also served as head of the Department of Counselor Education for three years and as the acting associate dean for outreach for one year. Although he has retired from his position within the department, Swisher remains active as a senior scientist with the Institute for Policy Research and Evaluation. He is currently conducting a study of 10 rural schools and their adoption of scientifically valid prevention programs.

Faculty member started at Delaware County in 1970

John Ousey, associate professor emeritus of environmental sciences, has retired from Penn State Delaware County after more than 30 years of service.

Ousey, who has been with the campus since 1970, received his B.S. from LaSalle University, his M.Ed. from Penn State, his M.S. from Drexel University and his D.Ed. from Penn State in 1980.

He received numerous awards while at Penn State, including the campus Outstanding Teacher Award in 1973, 1992 and 2000; the Atherton Award for Excellence in Teaching in 1994; and the Collaborative Teaching Award in 1993.



John Ousey

Associate professor emerita served since 1985

Arden Watson, associate professor emerita of speech communication at Penn State Delaware County, has retired.

Watson has been at the campus since 1985. She earned her B.S. from Centenary College, her M.S. from the University of Arkansas, her M.A. from Western Kentucky University and her D.Ed. from Vanderbilt University.

In 1990, Watson received the Outstanding Paper award from the Orga-

nization of Teacher Educators in Reading for her paper, "Relationships Among Communication Apprehension, Reading Achievement, Teacher Perceived Communication Apprehension and Intelligence," which was published in the *Journal of Reading Education*.

Before coming to Penn State, Watson was an assistant professor in the University of Rhode Island's Department of Speech Communication.

Several employees announce retirements after many years

Sylinda A. Cole, assistant manager of housing services in Housing and Food Services, from Aug. 26, 1976, to Sept. 13.

Thomas J. Youkoski Jr., janitorial worker at Penn State Wilkes-Barre, from Dec. 12, 1983, to Aug. 26.

Mary Ellen Whalen, staff assistant VI in the College of Health and Human Development, from Aug. 5, 1982, to Sept. 1.

Emeritus rank

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Mary Elizabeth Nicholson, professor emerita of health education in the College of Health and Human Development, from Aug. 16, 1983, to July 1.

Neil Porterfield, dean emeritus of the College of Arts and Architecture, from June 1, 1985, to Aug. 1.

Associate professor served for more than 30 years

Michael K. Simmons, associate professor of English at Penn State Erie, retired June 30 after more than 30 years of service to the University.

Simmons received degrees in English from Penn State and Indiana University of Pennsylvania and began teaching at the University in 1969. During his career he received the Penn State Behrend Council of Fellows Excellence in Teaching Award, as well as numerous other awards for his work.

In addition to teaching classes rang-



Michael K. Simmons

ing from freshman rhetoric and composition to audio/video production and media writing and editing, Simmons has written a weekly column in the *Erie Times-News* and has had many articles published in *Field & Stream*, *The Pennsylvania Naturalist* and *Outdoor Life*.

In retirement, Simmons plans to do more traveling, hunting and fishing, and will continue to write about his experiences as a sportsman and naturalist.

Mathematics professor devised football ranking system

Thomas Jech, professor emeritus of mathematics, has retired from the Eberly College of Science after 26 years.

A highly regarded mathematician known for his work with set theory, Jech has published seven books and has authored or coauthored nearly 100 articles published in scientific journals. He has served as managing editor of the *Annals of Pure and Applied Logic* since 1986.

In 1981, Jech devised a mathematics-based ranking system for college football and published a paper about his research. His report, "The Ranking of Incomplete Tournaments: A Mathematician's Guide to Popular Sports," focused on sports and provided a mathematical base for comparisons in other fields.

His efforts regarding college football were similar to the existing Bowl Championship Series formula the sport recently adopted to determine contenders for the national championship

and participants in major bowl games.

Before joining Penn State in 1974, Jech was a visiting professor at Stanford University. He was a member of the Institute for Advanced Study, a visiting associate professor at Princeton University, a visiting associate professor at the University of California at Los Angeles and an associate professor at the State University of New York (SUNY) at Buffalo.

He has been honored twice as a Fulbright Scholar and served as a visiting fellow at All Souls College in Oxford, England, the University of Paris and California Institute of Technology.

Born in Czechoslovakia in 1944, he earned his doctoral degree at Charles University in Prague in 1966. In 1968, he and his family escaped from Czechoslovakia after the Russian invasion of that country.

He arrived in the United States and accepted a position at SUNY-Buffalo as visiting associate professor in 1969. Jech has been a U.S. citizen since 1976.

Associate professor retires with emeritus rank

Robert E. Shute, associate professor emeritus of education in the Department of Counselor Education, Counseling Psychology and Rehabilitation Services, retired in May.

In 1964, Shute received a bachelor's degree in electrical engineering from Penn State. He first joined the faculty from 1966-71 as an instructor of general engineering at Penn State Fayette, during which time he obtained a master's degree in counseling and guidance from West Virginia University. After returning to University Park to work for the College of Education in 1971, he received his doctorate in counselor education in 1974. In 1976, he continued his career by joining the College of Health, Physical Education and Recreation, where he remained until 1985.

Shute also is trained as a chartered financial consultant and as a qualified pension administrator, which he put to

use from 1985 until he rejoined the University community in 1993. Until his retirement, he coordinated a master's degree program in chemical dependency counseling in western Pennsylvania.

Along with his counseling experience, he developed and taught a variety of courses at the undergraduate and graduate levels, and also created many programs and services for students. He served as the Graduate Program professor-in-charge for eight years for the Department of Health Education, as director of the Office for the Protection of Human Subjects for two years and as the coordinator of training and regional center research for the Addictions Prevention Laboratory for three years.

In his retirement, Shute plans to remain active in community affairs and in the University community, while feeding his passion for tennis, travel and other activities.



Focus on Research

Financial hardships, not divorce, boost school dropout rates

By PAUL A. BLAUM
Public Information

Children of divorced or separated parents are more likely to drop out of middle or high school because of the related economic hardships than because of the family disruption itself, a Penn State researcher said.

"This group of young people are two or three times more likely to drop out of school than classmates whose families stay together. This is true even for children who, following the divorce or separation of parents, become part of a blended, stepparented or guardian family," said Suet-Ling Pong, associate professor of education and sociology.

Children of divorce most often find themselves in a single-parent, usually single-mother household, with the mother's income dropping as much as 35 percent. The resulting financial stress raises the odds of offspring dropping out of school to supplement the family income.

However, what is often overlooked is that many of these disrupted families were poor before the divorce or separation, said Pong. Low income is the cause of both family disruption and school dropout. Poverty was "reshuffled" from two-parent families to single-parent families, according to Pong.

"While our research shows that divorce and single motherhood are associated with children's chances of dropping out, the blame should not fall on single mothers," said Pong, also research associate with the University's Population Research Institute. "Our findings in fact support welfare programs that help poor children generally, regardless of family structure, as well as alimony payment enforcement that assist single mothers suffering dramatic losses of income after divorce. These policies would effectively reduce the likelihood that their children will drop out of school."

Pong and co-researcher Dong-Beom Ju from Korea's Kyungpook



Suet-Ling Pong, associate professor of education and sociology, found that welfare programs that help poor children regardless of family structure would effectively reduce the likelihood that these children would drop out of school.

Photo: Greg Griesco

National University, a Penn State Ph.D. recipient., based their findings on data from the National Education Longitudinal Study of 1988, conducted by the National Opinion Research Center. "Among all detrimental outcomes in the U.S. educational system, dropping

out before high school graduation carries perhaps the most serious consequences since it can lead to future economic problems in the form of unemployment, low earnings, propensity to crime and drug abuse," said Pong.

FROM THE EXPERTS

Cool, wet summer carves into pumpkin crop

If you haven't yet picked up a pumpkin for this year's Halloween decorating, you shouldn't delay. A horticulturist in the College of Agricultural Sciences said if you wait until the last minute, a smaller-than-normal crop may limit your selection.

"This year's cool, wet weather has been in sharp contrast to last year's drought," said Michael Orzolek, professor of vegetable crops. "But its effect on the pumpkin crop has been similar."



"Because of rain and clouds this growing season, very little pollination took place in many fields," he said. "As a result, the vegetation looks great, but the number of fruit per acre is down. This year's pumpkin crop is probably 20 percent to 30 percent below normal."

Orzolek explained that pollinators, such as honey bees, are not as active during cool, cloudy and wet weather. And without pollination of female flowers, fruit will not form on the plant.

About 6,000 acres of pumpkins are grown in Pennsylvania, ranking the state second in the country.

Orzolek said pumpkin growers in other states fared even worse.

"In New York and New England, heavy rains early in the season prevented some growers from even planting their crops," he said.

Despite Pennsylvania's smaller-than-normal crop, Orzolek doesn't expect a serious shortage.

"There should be enough pumpkins to go around," he said. "But if you wait until the last minute, you might not find the size and color you're looking for."

"Cross talk" plays role in tissue swelling at acute inflammation sites

"Cross talk" between pairs of the smallest blood vessels plays a role in producing tissue swelling at acute inflammation sites, bioengineers have shown.

Current theory holds that, during acute inflammation, white blood cells adhere to the interior walls of venules,

the smallest branches of the vein system. These white blood cells cause the venule walls to become more permeable and allow protein to leak into the surrounding tissue.

White blood cells also are thought to cause the capillaries, which branch from the smallest arteries, the arteri-

oles, to become more permeable and leak fluid.

Norman Harris, assistant professor of bioengineering and director of the project, said, "Our novel finding is that communication between pairs of venules and arterioles facilitates signaling to capillaries to release the fluid

which causes swelling into the tissues. The idea opens up new routes of investigation for possible interventions to deal with undesirable swelling associated with inflammation."

For the complete story by Barbara Hale, check the Web at <http://www.psu.edu/ur/2000/swelling.html>.

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 calendar

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<http://www.psu.edu/INTERCOM/>

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Out at the links



The Penn State Golf Courses have a new look at their entrance. The new, stately stone pillars will help visitors more easily spot the entrance.

Photos by Greg Grieco



Ray Greenland of Greenland and Son Masonry, levels a stone on one of the new stone pillars, above. **At right**, Don Springer, starter for the Penn State Golf Courses, cleans some of the rental clubs to get ready for the golfers who head to the links each weekend. As starter, Springer helps to direct the golfing public to their course locations, coordinates tee times and helps patrons with their cart selections. For information about the courses, check the Web at <http://www.psu.edu/dept/golfcourses/>





Intercom

INFORMING THE PENN STATE COMMUNITY

OCTOBER 26, 2000

Fighting back against hate



President Graham B. Spanier has been working to bring the University community back together in a spirit of civility and tolerance.

Photo: Greg Grifco

University working to restore harmony to campus community

In the past few weeks, there have been a number of events on the University Park campus and in the surrounding community that are rooted in hatred, violence, prejudice and discrimination. These incidents include sexual assaults, hate mail, the harassment of African American students and the harassment of gay and lesbian students.

University police are currently investigating a series of threatening letters that have been received by members of Penn State's African American community. Three of the letters went to students and one to a University official.

In conducting their investigation, University police have notified the State Attorney General and the FBI, and will work with U.S. Postal Inspectors in an effort to identify the person responsible for the letters, which contained racial epithets and threats directed at the recipients.

Check the Web

For updates on this topic, check the Web at <http://www.psu.edu/ur/civility/>

The students who received the hate mail have met with University officials and will be provided support services and additional security.

"Prevention of such behavior is our first priority, but when acts of hatred occur, our next priority must be to find and prosecute the perpetrators," said President Graham B. Spanier. "I want to convey a clear message: Penn State University will not tolerate such behaviors, nor will we stand by and allow members of our community to be threatened

Fighting hate, page 3

Mitte Foundation announces \$8.2 million gift to Smeal College

An \$8.2 million gift from the Austin, Texas-based Mitte Foundation to The Smeal College of Business Administration will support undergraduate and graduate students in the college.

The gift will provide scholarships to 60 undergraduate and 15 graduate students each year over the course of 20 years. Each Mitte Scholar will receive a \$5,000 scholarship that may be renewed annually.

The Mitte Foundation's primary mission is to enhance the future of the world through the development of outstanding business scholars, according to Scott Mitte, executive director of the foundation.

Roy F. and Joann Cole Mitte established the Mitte Foundation in 1997. Since then, it has com-

- IBM grants support projects University-wide page 2
- Raytheon gift creates IST scholarships page 2

mitted \$45.1 million to cultural and educational programs including gifts to universities including Southwest Texas State University, Texas A&M University and The Ohio State University, and community programs such as Leadership Austin, the Rotary Club of Austin and the Lone Star Girl Scout Council.

Recipients of Mitte Scholarships must participate in community service and maintain superior academic records each semester

Mitte, page 2

\$450,000 grant to boost fight against violence toward women

Penn State will launch a broad new initiative to fight violence against women with a new \$451,409 grant from the U.S. Department of Justice's Violence Against Women Office.

"We have made sexual assault prevention a priority at Penn State, and this funding will help us develop more targeted programs for women both on and off campus," said President Graham B. Spanier.

"We are in the midst of a national crisis of incivility that is more than disrespect for others or acts of intolerance or discrimination. Acts such as sexual assault and sexual harassment go beyond incivility, they enter the realm of criminal behavior. This grant will give us more resources to make our community a better place to live."

Sabrina Chapman, director of the Center for Women Students

and principal co-investigator on the grant, said, "We are committed to changing the culture on campus and making sexual assault and other such behavior unacceptable at Penn State. We will focus our efforts on strengthening and further coordinating campus and community prevention programs and services to victims of sexual assault, relationship violence and stalking, and making these services more widely available and responsive to victims' needs."

Specifically, the grant will help sexual assault educators, advocates and assault counselors integrate existing and new services as well as support a collaborative educational effort on campus by a sexual assault awareness educator from the Center for Women Stu-

Grant, page 3



Private Giving

Mitte

Continued from page 1

that they receive the award.

First-year students applying for the scholarship must be recommended students in the National Merit competition or in the top five percent of their graduating class. They also must have maintained a cumulative high school grade point average of 3.5 or better.

First-year and continuing undergraduate students applying for the Mitte Scholarships must complete an application that includes a resume, personal essay, college transcripts and three letters of recommendation. Both Mitte Undergraduate Scholars and Graduate Fellows may have their scholarships renewed each year if they maintain a 3.5 cumulative grade point average and volunteer their time toward community service.

The Smeal College will begin to accept applications for the Mitte Scholarship from students in November, and the first of these will be awarded in fall 2001.

Grant

Continued from page 1

dents and one from the Centre County Women's Resource Center.

Educational programs will be targeted to first-year students, students with disabilities, international students, LGBT students and students transferring to University Park from other campuses and other colleges. Another priority is to develop sexual assault and relationship violence awareness training for Judicial Affairs staff and University police as well as to work with Human Resources staff on educational programs for faculty and staff. Some of these training programs also will be conducted at locations throughout the Penn State system.

Services provided by the women's health department of University Health Services, counseling programs through Counseling and Psychological Services and Residential Life programs also will be enhanced. In addition to the Centre County Resource Center, Peggy Lorah, assistant director of the center and co-investigator, said other commu-

The IBM Shared University Research (SUR) program recently awarded grants with a total value of approximately \$500,000 to the University's Partnership in Modeling Earth System History, the Commonwealth College, Management Science and Information Systems and the eBusiness Research Center.

The University is providing a 35 percent match to most of the recipients, bringing the total value of the IBM/Penn State funding to about \$730,000.

The partnership, based in the College of Earth and Mineral Sciences, is collaborating with a nationwide community of scientists who are trying to understand the natural variability of the earth's climate.

IBM SUR is supporting this effort with an equipment grant that will pro-

vide improved computer storage resources and enhanced Internet communications with partners at other institutions.

The Commonwealth College received equipment that will be used to help implement degree programs that started this fall in the School of Information Sciences and Technology at four of the college's 12 locations: DuBois, Fayette, Hazleton and Shenango. The grant provides equipment for Management Science and Information Systems to set up a 22-seat computer Laboratory for Economic and Management Science. This will enable controlled studies of behavior relevant to economics and management research.

Ongoing research projects include auction and institutional design, bargaining and dispute resolution, deci-

sion support systems and pricing in electronic markets.

The IBM grant also will support an eBusiness Incubator Laboratory being started by the University's eBusiness Research Center. The goal is for the facility to serve as the central information network for undergraduate and graduate students in The Smeal College of Business Administration and the School of Information Sciences and Technology.

Students will use the equipment from the IBM grant to set up models of Web-based companies and develop solutions to problems encountered by electronic-based businesses. Management Science and Information Systems and the eBusiness Research Center are both part of The Smeal College of Business Administration.

Raytheon creates scholarships in IST

Raytheon Co. has committed \$100,000 to create new scholarships in the School of Information Sciences and Technology (IST).

The funds will be used to help women and students from underrepresented groups pursuing an education in the information sciences. The gift will be distributed annually over a three-year period. Raytheon recently presented a first installment of \$35,000 to Penn State.

Raytheon's State College operation employs nearly 400 people and has been providing engineering and technical services for federal government and commercial customers for more than 50 years.

The company, based in Lexington, Mass., is a global technology leader that provides products and services in the areas of commercial and defense electronics and business and special mission aircraft.

Raytheon has operations throughout the United States and serves customers in more than 70 countries around the world.

OBITUARY

George R. Nelson, former associate professor of general engineering at Penn State Worthington Scranton, died June 25 at Chestertown, Md. He was 77.

Nelson graduated from Mercersburg Academy in 1942, served in the Army Air Corps from 1943 to 1945, and graduated

from Penn State in 1948 with a bachelor of science degree in architectural engineering.

From 1974 to 1982, Nelson served on the faculty at Penn State Worthington Scranton, including being named the coordinator of the architectural engineering technology associate degree program.

Penn College plans construction

The Pennsylvania College of Podiatric Medicine of Podiatry board of directors approved funding for a building program that includes construction of a College Services Center to house most of the offices on campus that provide student-related services.

The board approved a 30-year bond issue for construction of the College Services Center at the Maynard Street entranceway, extensive renovations to Lions Court and Bardo Gymnasium, continuing improvements to College West Apartments and the paving of gravel parking lots on West Third Street.

In addition, offices in the Klump Academic Center and the Learning Resources Center that will move to the College Services Center will be retrofitted for new uses. The bond issue also will enable the college to repay the \$7.65 million purchase cost of College West, which re-opened under the college's ownership in August, and to restructure prior debt.

Consolidating offices under one roof will provide a one-stop approach to student services. Offices that are tentatively scheduled to move to the College Services Center include Admissions, the Advisement Center, College Information and Community Relations, Computer Services, Financial Aid, Financial Operations, Human Resources, the Information Center, Instructional Technology/Media/Distance Education, Registrar and Student Accounts.

The Lions Court renovations will create new spaces for the Campus Police and special-housing needs. Renovations at Bardo Gymnasium will improve the locker rooms, rest rooms, classrooms and office areas.

The board approved Martin Murray Associates as the architectural firm for the construction/renovation project. Design and construction timetables for the building program will be announced at a later date.

Intercom publishing schedule reminder

Due to the Thanksgiving holiday, there will be no *Intercom* published on Thursday, Nov. 23.

In addition, the deadline for submissions to the Nov. 30 *Intercom* is noon Monday, Nov. 20, two days earlier than normal.

Fighting hate

Continued from page 1

or harmed physically or emotionally. These anti-social behaviors might not be the work of organized hate groups, but those who engage in such craven acts share a trait with hate groups — the intent to threaten and intimidate, not just individuals, but entire communities of people."

Spanier urged the University community not to let these acts divide it.

"We must join forces to deplore racism, sexism, homophobia and anti-Semitism and other religious harassment. We must combat sexual violence. We must ward off all forms of discrimination that seek to find a home here," he said.

To that end, Spanier announced that he is establishing a special fund to provide reward money to any individual whose information leads to the arrest and conviction of anyone under federal or state criminal law for actions that harass or communicate threats, intimidation or harm to members of the University community. The details of this fund will be worked out in the coming days.

"I have spoken openly and clearly on these problems numerous times in the past," said Spanier. "As an institution we have invested heavily in educational programs, workshops and community forums designed to combat these social ills. Apparently, some people think we are not serious about these convictions. They continue to violate our community standards in the belief that there will be no repercussions. Nothing could be further from the truth, and no one should underestimate our resolve."

State College Mayor Bill Welch joined with University officials in denouncing the hate mail.

President Spanier's statement on hate crime law

President Graham B. Spanier made the following remarks at a seminar on "The Current Status of Hate Crime Law in Pennsylvania and Effective Response" Thursday, Oct. 19:



Graham B. Spanier

They include sexual assaults, hate mail, the harassment of African American students, and the harassment of gay and lesbian students. I am personally disheartened and saddened that any member of our community would be the target of such hateful acts.

These anti-social behaviors might not be the work of organized hate groups, but those who engage in such craven acts share a trait with hate groups — the intent to threaten and intimidate, not just individuals, but entire communities of people.

I want to convey a clear message: Penn State University will not tolerate such behaviors, nor will we stand by and allow members of our community to be threatened or harmed physically or emotionally. We are one community, and harm to any part of our community is harm to all. We must not allow these senseless acts to divide us; rather we must join forces to deplore racism, sexism, homophobia, and anti-Semitism and other religious harassment.

"This type of behavior is something that State College will not accept. The diversity that Penn State has brought to this community is one of our greatest assets," he said.

The Offices of Educational Equity and Student Affairs also will be rebuilding their educational efforts and stu-

dent programming to nurture an enhanced campus climate for diversity.

"It is disturbing and unfortunate that this sort of thing still happens in our country," said Terrell Jones, vice provost for educational equity. "I very much regret that the students were exposed to this sort of hatred. It should

We must combat sexual violence. We must ward off all forms of discrimination that seek to find a home here.

I have spoken openly and clearly on these problems numerous times in the past. As an institution we have invested heavily in educational programs, workshops and community forums designed to combat these social ills. Apparently, some people think we are not serious about these convictions. They continue to violate our community standards in the belief that there will be no repercussions. Nothing could be further from the truth, and no one should underestimate our resolve.

Prevention of such behavior is our first priority, but when acts of hatred occur, our next priority must be to find and prosecute the perpetrators. Thus, I want to announce that I am establishing a special fund that will provide reward money to any individual whose information leads to the arrest and conviction of anyone under federal or state criminal law for actions that harass or communicate threats, intimidation or harm to members of the University community.

The details of this fund will be worked out in the coming days, but I did not want this occasion to pass without sending the message that we take seriously all attempts to compromise the safety and security of our University and community. As an institution of higher learning we will never give up on the power of education to transform attitudes and reform behavior. Yet it is just as clear that education alone is not sufficient to secure the well-being of our University.

I hope you gain new insights from today's program and come away determined to join with me and all champions of civility, respect and equality in the struggle for a peaceful, just and safe Penn State.

serve as a reminder to all of us that we need to continue our efforts to encourage tolerance and diversity on the campus and within the broader community."

For updated information on this topic, check the Penn State Web site at <http://www.psu.edu/ur/civility>



Promotions

Staff

Cynde L. Fleagle, information system assistant I in Computer and Information Systems — Center for Academic Computing

Peggy Y. Goff, senior coordinator, copyright clearance in Business Services

Lisa A. Good, assistant coordinator, contracts and grants management in Eberly College of Science

Gina F. Grazer, account able in Eberly College of Science

Brenda Greenblatt, associate director I in Division of Development and Alumni Relations

Christopher J. Hamilton, research support assistant in College of Medicine, The Hershey Medical Center

Marie A. Hannah, staff assistant VIII in Applied Research Laboratory

Kelly K. Hartzfeld, lead systems analyst in Computer and Information Systems — Administrative Systems

Veronica J. Hay, coordinator, pre-mail services in Business Services

Teresa C. Hilgren, staff assistant VI in Student Affairs

Darryl D. Hill, library assistant I in University Libraries

Denise M. Hiviva, assistant coordinator, contracts and grants management in Eberly College of Science

Cynthia S. Hoggeman, research support assistant in College of Medicine, The Hershey Medical Center

David C. Holsworth, training and support specialist in Division of Outreach and Cooperative Extension

Shing-Fen Kao, senior technician, research in College of Medicine, The Hershey Medical Center

Daniel G. Keller, library assistant II in University Libraries

Jacquelyn L. Kline, assistant coordinator, contracts and grants management in College of Engineering

Diane K. Kolesar, lead systems analyst in Computer and Information Systems — Administrative Systems

Laura C. Kopp, staff assistant VI in Division of Development and Alumni Relations

Pamela L. Lohr, assistant operations supervisor in Computer and Information Systems — Administrative Systems

Michael C. Loewen, senior research programmer in Computer and Information Systems — Center for Academic Computing

Jeffrey A. Long, lab supervisor in Office of the Vice President for Research

Kathleen D. Matason, director of operations, Ben Franklin Technology Center in Office of the Vice President for Research

Kathy J. McKinney, staff assistant VI, undergraduate admissions in Office of the Vice Provost and Dean for Enrollment Management and Administration

Lisa L. Melloff, staff assistant VI, undergraduate admissions in Office of Vice Provost and Dean for Enrollment Management and Administration

Sharen M. Messer, development assistant in Division of Development and Alumni Relations

Shane A. Miller, senior technician, research in College of Medicine, The Hershey Medical Center

Dawn L. Mulberger, library assistant II in University Libraries

Joanne L. Nash, program assistant II for Trio Training Institute in Office of the Vice Provost and Dean for Undergraduate Education

Valerie J. Patrick, assistant coordinator, contracts and grants management in Division of Development and Alumni Relations

Lynn K. Persing, writer/editor and alumni coordinator in College of Earth and Mineral Sciences

Margaret P. Potter, research support associate in Office of the Vice President for Research

Yvonne L. Powers, area representative in College of Medicine, The Hershey Medical Center

David A. Rose, administrative coordinator in Office of Finance and Business



Lectures

Third talk in architecture series to feature recent Yale graduates

The Department of Architecture in the College of Arts and Architecture presents Andrew Mazor and Mike Tower of Yale University for its third in a series of four fall forums, "REBOOT: Rethinking the Design Thesis." The forum will be at 4 p.m. Friday, Oct. 27, in 101 Engineering Unit D. A reception will follow this free event.

According to recent graduate and forum presenter Mazor, the future of the design thesis at Yale is still tenuous. He will discuss his own thesis project, in which he exploited the possibilities of the box as not only a formal, but cultural element. The box can be seen everywhere in our landscapes, from the truck storage boxes that line the high-

ways to the minimalist high-tech boxes that store high art.

Forum presenter Tower, also a recent graduate of the Yale School of Architecture, explored the "prototypical house" in his thesis project and the "tangled systems" used to design and build it. Tower began by exploring the American traditions of technology, craft and invention from Alexander Graham Bell's tetrahedral kite structures, to Buckminster Fuller's experiments with bicycles and umbrellas, to the common shovel where carbon reinforcing fibers create a unique "bent joint" in the long arm of the tool. He is optimistic about what technology offers for the redesign of the American house.

Public dialog to address dealing with hate

"Not Hate, Not Here," a public dialog about hate crimes, organized hate group activities and how to deal with them, will hold several discussions on the University Park campus and in downtown State College.

Events scheduled for University Park include:

■ Monday, Oct. 30: "Living Between Danger and Love: Violence in Same Sex Relationships." Representatives from the Centre County Women's Resource Center, Residence Life, University Student Groups, GLBT Switchboard of State College, and Wellspring will give this panel presentation from 7 to 9 p.m. in 129 A&B HUB-Robeson Center. The event is sponsored by the Center for Women Students and the Centre County Women's Resource Center.

■ Wednesday, Nov. 8: A video discussion will take place on "The Clothes-

line Project" from noon to 1 p.m. in the Center for Women Students Resource Room, 120 Boucke Building. The film chronicles a visual display that bears witness to violence against women. Survivors, friends, family and partners decorate T-shirts with each shirt representing a particular woman's experience. The Penn State Clothesline Project is scheduled for April 19-21, 2001. This event is co-sponsored by Residence Life Cultural Lounge Programs and other University units and community organizations, and is facilitated by Peggy Lorah, Center for Women Students assistant director, and Susan DePonte, Center for Women Students staff assistant.

For information about related events held off-campus, check the Web at <http://countrystore.org/health/iscoun-cil/aaaui/specpgm.html>

NAS member to give keynote address

Grace Wahba, the 2000 C.G. Khatri Visiting Scholar at Penn State, will give the keynote address at a seminar on "Non-parametric Model Building: Splines and Other Smoothing Techniques," sponsored by the Department of Statistics. The keynote address, which is free to the public, is titled "An Introduction to Univariate Smoothing Splines and Some Multivariate Generalizations" and will take place at 9 a.m. Oct. 28 in 201

Thomas Building on the University Park campus.

Wahba, the John Bascom professor of statistics, professor of biostatistics and medical informatics, and professor of computer sciences at the University of Wisconsin-Madison, was elected a member of the National Academy of Sciences this year in recognition of her scientific achievements in applied mathematical sciences.

Max Planck psychologist to speak Nov. 14

Wolfgang Prinz, director of the Max Planck Institute for Psychological Research, Munich, Germany, will present "What gets coordinated in bimanual coordination?" at 4 p.m. Nov. 14 in 101 Chambers Building on the University Park campus.

Prinz's talk will focus on human motion and the tendency of people to synchronize their movements in time and

space during bimanual periodic activity. He will explore why this synchronization occurs and why humans have a preference for symmetry in motion.

Max Planck Institutes are research centers funded by the German government to do cutting-edge work in a wide range of topics. Prinz has been director of the Psychological Research Institute since 1990.

Anthropologist to talk about communication

Pat Shipman, adjunct professor of anthropology and an award-winning science writer, will present the 2000 A. Dixon and Betty F. Johnson Memorial Lecture in Scientific Communication at 11 a.m. Saturday, Oct. 28, in 101 Thomas Building on the University Park campus. The free public lecture, "Telling Science," is intended for a general audience of all ages.

Shipman's topic will center around the fact that not everyone has the time or the inclination to learn the increasingly technical language of science, yet the excitement, fun and significance of



Pat Shipman

science must be transmitted to a wide audience or the research efforts will be wasted.

The A. Dixon Johnson and Betty F. Johnson Memorial Lectures in Scientific Communication are a project of the Eberly College of Science Alumni Society and are supported by donations to the college's Science Fund and by the A. Dixon and Betty F. Johnson Foundation. The lectures are named in honor of the late A. Dixon Johnson, science writer and director of the Penn State Office of Public Information from 1962 to 1974.

Two talks deal with landscape stewardship

The Center for Watershed Stewardship announces two lectures on the University Park campus. Both are free and are followed by short receptions.

Ann Vileisis, author of an award-winning book on wetlands, *Discovering the Unknown Landscape*, will speak at 7:30 p.m. Sunday, Oct. 29, in 101 Agricultural Sciences and Industries Building.

Vileisis will present a look at how Americans have thought about and used wetlands from colonial times through the present day. She will discuss the many factors that influence patterns of land use — ideology, economics, law, perception and art — and will examine the complicated interac-

tions among those factors that have resulted in our contemporary landscape.

Award-winning author Tim Palmer will speak at 7:30 p.m. Monday, Oct. 30, in the Palmer Lipson Auditorium in the Palmer Museum of Art. Through the discussion of his latest book, *The Heart of America*, he will explore and assess the landscapes of the United States, and introduce us to the basic geography and ecological value of each landscape. He will lead a discussion about historical patterns of land use, consider serious threats to each landscape, and talk about what is being done to protect these lands for future generations.

Event targets math teachers and students

Penn State Abington will be host for the Fall 2000 meeting of the Eastern Pennsylvania and Delaware Section of the Mathematical Association of America.

Math teachers and students from throughout the region may participate in the meeting, which will be held from 8:30 a.m. to 4:30 p.m. Saturday, Nov. 4, in 112 Woodland Building on the cam-

pus. Topics include "Using Mathematics To Help Computers Pretend That They Can See, Hear and Talk."

Ayoub B. Ayoub, professor of mathematics at Penn State Abington, is coordinating this event. Interested math teachers and students may contact him at aba2@psu.edu or (215) 881-7553 for information and registration.

Using quality and planning tools topic of talk

Find out how three managers have used process improvement and strategic planning models and tools to focus their unit's activities and align them with the University's goals.

"Using Quality and Planning Tools to Set Priorities" will be held from 8:30 to 10 a.m. Nov. 2 in the Penn State Room of The Nittany Lion Inn. Linda Friend, librarian and head of information technologies for the University

Libraries; Susan Kennedy, associate director for educational services in University Health Services; and Sanford Thatcher, director of the Penn State University Press, will discuss their successes. The event will be moderated by Barbara Sherlock, quality and planning specialist. To participate, register by Oct. 30. Call the Center for Quality and Planning at (814) 863-8721 or e-mail psucpq@psu.edu.

Current state of publishing is topic of Oct. 30 luncheon

Sanford Thatcher, director of the Penn State University Press, will speak on "Literature and the State of Publishing in the U.S. Today" at the next Department of Comparative Literature luncheon, planned for Monday, Oct. 30.

The presentation, which is open to

the public, starts with lunch at 12:15 p.m. in 102 Kern Building on the University Park campus. The presentation and discussion will run from 12:40 to 1:20 p.m.

Attendees may bring a lunch, or purchase lunch in the Kern cafeteria. Coffee and tea will be provided.



More Lectures

Marker Lectures in astronomy, astrophysics set for Nov. 1-3

Guenther Hasinger, director of the Potsdam Astronomical Institute in Germany, will present the 2000 Russell Marker Lectures in astronomy and astrophysics from Nov. 1 to 3 on the University Park campus.

The three-lecture series, titled "The X-ray Sky," is sponsored by the Eberly College of Science and is free to the public.

The lectures include: "Journey of the Hot Universe" at 8 p.m. Wednesday, Nov. 1, in 2000 Henderson Building South; "Resolving the X-ray Background" at 4 p.m. Thursday, Nov. 2, in S-5 Osmond Laboratory; and "Large X-ray Telescopes of the Future" at 10 a.m. Friday, Nov. 3, in 541 Davey Laboratory.

Hasinger is widely recognized as a



Guenther Hasinger

leader in high-energy astronomy, having been closely involved in the development of several X-ray satellite missions. Using the data from these missions, he has made important contributions to our understanding of supernovae, neutron stars and black holes, and in the last decade he has led

an extensive program to investigate the nature of faint X-ray sources.

The Marker Lectures were established in 1984 through a gift from the late Russell Earl Marker, professor emeritus of organic chemistry, whose pioneering synthetic methods revolutionized the steroid-hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

Conversations about learning scheduled

A faculty workshop to discuss the development of new teaching and learning methods will be held from 2 to 5 p.m. Thursday, Nov. 2, in Boardrooms 1 and 2 at The Nittany Lion Inn on the University Park campus. A reception will follow in the Faculty Staff Club at the inn.

The workshop will feature Theodore J. Marchese, managing director of the Academic Search Consultation Service and former vice president of the American Association of Higher Education and execu-

tive editor of *Change* magazine, who will speak on "The New Conversations about Learning" and facilitate group discussions.

The workshop is sponsored by the Teaching and Learning Consortium, Office of Undergraduate Education, Schreyer Institute for Innovation in Learning, Schreyer Honors College and the College of Education.

Seating is limited. For reservations, call (814) 865-4442 or e-mail Gwynne Kinley at gdk10@psu.edu by Oct. 27.

Nov. 3 presentation part of ongoing series

Linda J. Lear, research professor of environmental history at George Washington University and author of the biography, *Rachel Carson: Witness for Nature*, will deliver a slide/lecture at 4 p.m. Friday, Nov. 3, in 112 Kern Building, University Park.

Lear's presentation, "The Art and Craft of Writing the Biography of Rachel Carson," is part of a yearlong

series of workshops and lectures devoted to the topic of nature and culture and is jointly sponsored by the American Studies Program, the Department of English and the graduate program in ecology.

For more information on the series, which also will include presentations by Evan Eisenberg, Laura Dassow Walls and Ian Marshall, call Bob Burkholder at (814) 865-7105.

Waterbury Forum discusses "Corporate Universities"

The Waterbury Forum for Education and Cultural Studies will present "The Knowledge Factory: Beyond the Politics of the Corporate University" by Stanley Aronowitz at 7 p.m. Wednesday, Nov. 1, in 101 Chambers Building on the University Park campus.

Aronowitz, distinguished profes-

sor of sociology at the Graduate Center, City University of New York, will present the forum. He is the author of more than 18 books.

The forum is sponsored by the College of Education in conjunction with the Cultural Politics and Policy Group.

College of the Liberal Arts cites two Alumni Fellows

Arthur J. Nagle and Richard S. Sokolov have been named Alumni Fellows from the College of the Liberal Arts.

Nagle earned a B.A. in arts and letters from Penn State in 1961 and an MBA at Columbia University. He began working his way up the ladder on Wall Street as managing director of The First Boston Corp. In 1988, after 21 years with First Boston, Nagle and six colleagues founded Vestar Capital Partners, a private equity investment firm that manages more than \$3.5 billion in equity capital and specializes in management buyouts and growth capital investments.

He and his wife, Paige, longtime volunteers for Penn State, have demonstrated their commitment through support of the Penn State Educational Partnership Program; construction of The Bryce Jordan Center; the Campaign for the Library; athletics; and scholarships, including the Nagle Family Endowed Scholarship for women's soccer. A recent gift supports music theatre and graduate studies in liberal arts.

Nagle serves on the Grand Destiny campaign committee, including the executive and steering committees, the endowment advisory committee and the campaign for athletics, and he chairs the New York regional committee.

Sokolov received his bachelor's degree in psychology at Penn State in 1971, and his J.D. at Georgetown University in 1974. He oversees nearly 160 shopping malls as president and chief operating officer of Indianapolis-based Simon Property Group



Arthur J. Nagle

Richard S. Sokolov

Inc. Simon owns properties in 38 states, including Mall of America in Minneapolis and Forum Shops in Las Vegas. With a market capitalization of around \$16 billion, Simon is the largest publicly traded retail real estate company in North America.

His wife, Susan Saltzman Sokolov, is a Penn State alumna in education, and their daughter, Lisa, is a Penn State sophomore.

Sokolov is a member of the capital campaign committee in athletics, and he, Susan and daughters, Anne, Kate and Lisa, have provided scholarships in women's volleyball and basketball as well as gifts to the Jewish Studies Program, the Hillel Foundation and general funds in athletics and liberal arts.

The Alumni Fellow award is the highest given by the Alumni Association to honor the professional accomplishments and continuing involvement in higher education at Penn State by alumni. Alumni Fellows meet with faculty, speak in the classroom and provide career advice to students.

AWARDS

Great Valley names award winners

Four Penn State Great Valley full-time faculty members were recently recognized for their outstanding contributions in teaching, research and service to the graduate campus for the past year.

Martin W. Sharp, assistant professor of curriculum and instruction, was presented with the award for teaching excellence. Sharp has been with Penn State since 1969 and is now also serving as interim academic division head of the education department. His areas of expertise are designing curriculum school models, appropriate instructional supervision practices, school reform programs and professional development schools.

Roger C. Vergin, former professor of business administration, received the outstanding service award. Vergin taught courses in operations management, management science and entrepreneurship. The award recognized his contributions to the launch of Penn State Great Valley's MBA program and the creation of the new MBA entrepreneurship option. He is the author of several books and has owned and operated a variety of successful manufacturing, construction and serv-

ice businesses.

Effy Oz, associate professor of management science and information systems, was presented with the outstanding research award. His areas of expertise include ethical issues in information technology, the impact of information technology on decision making and management of information technology. He has been published in *Decision Sciences*, *MIS Quarterly* and *Journal of Business Ethics*. He is the author of four books and several book chapters.

Veronica M. Godshalk, assistant professor of management and organization, was awarded the Arthur Glenn Faculty Award for Teaching Innovation. The award recognizes faculty members who use new and creative ways to present information to their students. Godshalk teaches introductory courses in management and special topics such as career management. Her areas of research include the effects of career plateauing, mentoring and leadership. She has published in several refereed journals and co-authored the recently published third edition of *Career Management*.



Arts & Entertainment

Afternoon with the Arts

Penn State Abington will continue its An Afternoon with the Arts program at 3 p.m. Sunday, Oct. 29, with "Italian Girl in Algiers."

The Opera Series of "An Afternoon with the Arts" will feature guest speakers who will lecture on the upcoming performances of the Opera Company of Philadelphia.

The fee is \$15 for a single lecture or \$60 for the entire opera series. A single lecture for senior citizens is \$5. The program is free to Penn State students with an identification card.

Moylan C. Mills, professor emeritus of integrative arts, will lead the opera and video lecture, which will be held in 112 Woodland Building on the campus.

For more information or to register, call (215) 881-7368.

Concert Choir

The Concert Choir, under the direction of Steven Zoppi, instructor of music, and graduate student Brett Dutton, will present its fall concert at 8 p.m. Sunday, Oct. 29, in the School of Music Recital Hall on the University Park campus.

Tickets are \$4 and \$2 and can be purchased at the door before the performance.

Halloween concert

The Penn State Percussion Ensemble I, under the direction of Dan C. Armstrong, professor of music, will perform its traditional Halloween concert at 8 p.m. Tuesday, Oct. 31, in the School of Music Recital Hall on the University Park campus.

The free concert will feature an appearance by Dennis Glocke, associate professor of music, and three student soloists: Jeff Barudin, Mike Schutz and Brian Fronzaglia. The audience is encouraged to attend in costume.

Bach's Lunch

The Penn State University Choir will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Nov. 2, in the School of Music Recital Hall on the University Park campus.

The 118-member choir is under the direction of Anthony Leach, assistant professor of music.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Multi-media performance

"One Life: The Rachel Carson Project," a multi-media performance featuring, music, drama and video, focusing on the life and work of biologist and author Rachel Carson, will be presented at 7 and 9 p.m. Nov.



Lynn Drafall, associate professor of music, directs the Oriana Singers as they rehearse for their part in the multi-media performance of "One Life: The Rachel Carson Project," to be presented Nov. 17. For information, see the story below.

Photo: Greg Gnevo

17 in the HUB-Robeson Center Heritage Hall, University Park.

Carson is best known for her seminal work, *Silent Spring*, (1962) which helped launch the ecology and environmental movement in the United States. "One Life" explores the contribution made by this one woman, and her influences in science and the literary arts.

Written by Bruce Trinkley, composer and professor in the School of Music and by Jason Charnesky, instructor in the Department of English, the performance debuts in conjunction with the Nov. 16 opening of "Crossing the Threshold," an art exhibition in the Robeson Gallery that will spotlight elder stateswomen of American art.

The event features the Oriana Singers and Helen Manfull, professor emerita of theatre, and will be conducted by Lynn Drafall, associate professor of music.

A reception will be held at 8 p.m. between performances in the Robeson Gallery.

Tickets are free and will be available at the HUB-Robeson Center information desk starting Oct. 30.

Libraries exhibit

The exhibit "The Faces of Children" is on display through Jan. 3, 2001, in 109 Pattee Library on the University Park campus. This is the inaugural exhibition in the Candace and Patrick E. Malloy III Diversity Studies Room in the newly renovated Pattee Library.

The poems, photographs and illustrations in this exhibit are from the children's books collection in the Education and Behavioral Sciences Library on the fifth floor of Paterno Library. They were selected to convey the depth of emotions found in children and young adults. Exhibit curator is Stephen Herb, head librarian in the Education and Behavioral Sciences Library, executive director of the Pennsylvania Center for the Book and affiliate associate professor of language and literacy education.

BOOK SHELF

Bill Ellis, associate professor of English and American Studies.

Raising the Devil: Satanism, New Religions and the Media, published by the University of Kentucky Press.

Ellis authored this book, which describes how a variety of folk traditions were used by emerging religious movements in the 1960s and 1970s to justify a social crusade against shadowy underground cults, who were blamed for many spiritual and social evils. His survey of the folklore and popular culture of satanism includes roman panics caused by animal mutila-

tions, graveyard desecrations, conspiracy theories and a number of real cases of murder. A trained folklorist, he argues for a middle ground in an often-polarized debate, conceding that satanism influenced many real-life events but was often used as a bogeyman to deflect criticism from both Christian and Pagan communities.

Jill Hochman, supplemental instruction coordinator in the McKeesport Academic and Cultural Enrichment Office. *Our Working Lives: Short Stories of People and Work*, published by Bottom

Dog Press Inc., an independent Ohio publisher.

Hochman contributed to this book of short stories, edited by Bonnie Jo Campbell of Kalamazoo, Mich., and Larry Smith of Huron, Ohio. It is part of the *Working Lives* series.

Jeremy F. Plant, professor of public policy and administration in the School of Public Affairs at Penn State Harrisburg. *Tracksides Under Penny Wires*, published by Morning Sun Books, Scotch Plains, N.J.

Plant authored the book, which

examines the operations of the Pennsylvania Railroad between Philadelphia, Harrisburg and Maryland through the expert lens of photographer James P. Shuman. The illustrated book includes a history of the electrification of the railroad in the 1930s and gives an in-depth look at freight and passenger operations on the Philadelphia to Harrisburg mainline and freight lines in Chester, Lancaster and York counties. It is part of a continuing series of books celebrating the work of pioneer color rail photographers.



University Park Calendar

October 27 - November 5

SPECIAL EVENTS

Friday, November 3

The Piano Lesson, by August Wilson, 8 p.m. through Nov. 11, 2 p.m., matinee Nov. 11, Pavilion Theatre. For tickets, call (814) 863-0255.

Saturday, November 4

Penn State Tailgater, The Bryce Jordan Center.

MUSIC

Sunday, October 29

The Concert Choir, Steven Zopfi and Brett Dutton, directors, 8 p.m., Recital Hall. Tickets available at the door.

Tuesday, October 31

The Penn State Percussion Ensemble I, Dan C. Armstrong, director, 8 p.m., Recital Hall.

Thursday, November 2

The Penn State University Choir, Bach's Lunch concert, 12:10 p.m., Recital Hall.

SEMINARS

Friday, October 27

Nancy Dstiguy on "Busy?: Number Crunching for the Nimble," 11:15 a.m., 118 Agricultural Sciences and Industries.

Peggy Dillworth-Anderson on "The African American Family at the New Millennium: Concerns, Promises and Hope," 2:30 to 3:30 p.m., 209-S Henderson.

Julia Flanders on "Data the Unwritten, Data the Unwriter," 3:30 p.m., Foster Auditorium, Pattee Library.

Alan Taylor on "The Role of People, Fire, and Climate Variation on Forest Dynamics in the Lake Tahoe Basin," 4 p.m., 3D1 Steidle.

Andrew Mazor and Mike Tower on "REDDT: Rethinking the Design Thesis," 4 p.m., 1D1 Engineering Unit D.

Saturday, October 28

Grace Warba on "Nonparametric Model Building: Splines and Other Smoothing Techniques," 9 a.m., 2D1 Thomas.

Pat Shipman on "Telling Stories," 11 a.m., 1D1 Thomas.

Sunday, October 29

Ann Vielsis on landscape stewardship, 7:30 p.m., 1D1 Agricultural Sciences and Industries.

Monday, October 30

Ron Jones on "Phase Transitions in Polymer Films," noon, 399 Davey Laboratory.

Sanford Thatcher on "Literature and the State of Publishing in the U.S. Today," 12:15 p.m., 1D2 Kern.

"Living Between Danger and Love: Violence in Same Sex Relationships," 7 to 9 p.m., 129A and 129B HUB-Robeson Center.

Tim Palmer on landscape stewardship, 7:30 p.m., Palmer Lipcon Auditorium.

Tuesday, October 31

Austen Angor on "Formation of Glasses From Liquids and Biopolymers: From Textiles to Proteins," 1D a.m., 1D4 Fenske Laboratory.

Jouni Kuha on "Approaches to Statistical Model Selection," noon, 406 David Tower.

Klaus Knorr on "Melting and Freezing of Argon in Pores," 3:30 p.m., 339 Davey Laboratory.

Shella West on "Effects of Dietary Change on Cardiovascular Responses to Psychological Stress," 4 p.m., S-209 Henderson.

Wednesday, November 1

Deborah Suzanne Carr on "Interpretations of Career Successes and Shortcomings: The Retrospective Accounts of Middle Men and Women," noon to 1 p.m., 1D8 Wertz Laboratory.

James Levin on "Assessing Academic Advising," noon to 1 p.m., 118 Agricultural Sciences and Industries.

Niran Jambunathan on "Activation Tagging for Improved Disease Resistance in Arabidopsis," 12:20 to 1:10 p.m., 1D8 Tyson.

Nina V. Federoff on "Genetically Modified Organisms: Monsters or Miracles?" 5:15 to 6:30 p.m., 112 Kern.

Stanley Aronowitz on "The Knowledge Factory: Beyond the Politics of the Corporate University," 7 p.m., 1D1 Chambers.

Guenther Haslinger on "Journey of the Hot Universe," 8 p.m., 2D9-S Henderson.



Olympic gymnastics coach Bela Karolyi, center, chats with Penn State women's gymnastics coach Steve Shepherd, left, and men's gymnastics coach Randy Jenson at The Bryce Jordan Center. Karolyi, the 2000 USA Gymnastics Women's National Team coordinator, made an advance visit to University Park last week to promote the upcoming 2000 Tour of World Gymnastics Champions. The gymnastics exhibition, which features some of the world's best gymnasts, will be held at 7:30 p.m. Tuesday, Nov. 14, at The Bryce Jordan Center. For tickets, call (800) 863-3336 or (814) 865-5555, or check the Web at <http://www.bjc.psu.edu/>.

Photo: Greg Grieco

Thursday, November 2

"Using Quality and Planning Tools to Set Priorities," 8:30 to 10 a.m., Penn State Room, The Nittany Lion Inn. To register, call (814) 863-8721.

Theodore J. Marchese on "The New Conversations about Learning," workshop, 2 to 5 p.m., Boardrooms 1 and 2, The Nittany Lion Inn.

To register, call (814) 865-4442.

Xiaoxing Xi on "From Lattice Dynamics to Microelectronics: The Materials Physics of Oxide Thin Films," 4 p.m., 117 Diamond Laboratory.

Guenther Haslinger on "Resolving the X-ray Background," 4 p.m., S-5 Diamond Laboratory.

Friday, November 3

Guenther Haslinger on "Large X-ray Telescopes of the Future," 1D a.m., 541 Davey Laboratory.

Greg Krawczyk on "Oriental Fruit Moth — the Redeveloping Challenge for the Fruit Industry," 11:15 a.m., 118 Agricultural Sciences and Industries.

Samuel L. Vennart on "Advanced Technologies and the Future of the Space Program," 11:30 a.m. to 1 p.m., Alumni Hall, HUB-Robeson Center.

Linda J. Lear on "The Art and Craft of Writing the Biography of Rachel Carson," 4 p.m., 112 Kern.

David Howard on "Working with the Gould Center to Create Outreach Educational Material for Natural Resource Management in the Lake Tahoe Basin," 4 p.m., 3D1 Steidle.

Saturday, November 4

Mark E. Neely Jr. on "Pennsylvania Politics: The Game Without Rules," 9 a.m., The Nittany Lion Inn.

CONFERENCE

Saturday, October 28

"Expanding Your Horizons," science, mathematics and engineering conference for 6th, 7th and 8th-graders. To register, call (814) 865-3342.

EXHIBITS

HUB-Robeson Center

"Matters of Mind, Perceptions of the Natural World," drawings and collages by Susan Parsonage and Christopher Staley, through Dec. 3.

Historic Synopses of Turkey, photographs and architectural drawings, through Dec. 3.

"Restless Metropolis," photography by Denton W. Smith Jr., through Nov. 3D.

"Portals and Paths," sculpture by Eric W. Stephenson, Oct. 31 through Dec. 6.

Kern exhibit area

"The DeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Dec. 7.

"Germany: Divided and Reunited, 50 Years of Post-War German History," through Nov. 3D.

North Hall exhibit area

David Van Nguyen, oil paintings, Nov. 2 through Dec. 1D.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," through Dec. 1D.

"Did Master Prints and Drawings from the Permanent Collection," Special Exhibitions Gallery I, through Dec. 1D.

"Master Drawings from the Collection of Alfred Moir," Special Exhibitions Gallery II, through Dec. 1D.

"An Interlude in Giverny: The French Chevalier," by Frederick MacMonnies, through Feb. 25.

Pattee Library

"Faces of Children," 1D9 Pattee, through Jan. 3.

Rosenour exhibit area

"Women First," Nov. 1 through Dec. 6.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Events at Shaver's Creek

Shaver's Creek Environmental Center, a Penn State outreach resource, has a number of activities planned. Included are the following:

■ Halloween at Shaver's Creek

Discover why some creatures are so noisy at night and how nocturnal animals deal with the darkness, at the annual Children's Halloween Trail and Festival at Shaver's Creek Environmental Center.

Held this year from 11 a.m. to 4 p.m. Saturday and Sunday, Oct. 28 and 29, the event is geared toward children ages 4 to 10.

The festival, featuring Halloween crafts, singing, games, refreshments and entertainment, is highlighted by the Enchanted Trail. Every fifteen minutes beginning at 11 a.m. and ending at 3:15 p.m., small groups are led down the Enchanted Trail, which winds through the forest grounds surrounding Shaver's Creek. Along the way, participants stop at stations to meet non-frightening costumed characters and have fun learning about animals of the night.

Tickets are on sale now and can be purchased at the center or by calling (814) 863-2000 or 667-3424.

■ Candle-making program

Light up the holiday season by making your own unique gifts. The annual Shaver's Creek Environmental Center candle-making programs will be held from 10 a.m. to noon and from 1 to 3 p.m. Saturday, Nov. 18. Participants will combine wax, string and their creativity to produce homemade candles.

Shaver's Creek will provide the materials, equipment and instruction. Participants should bring old candles to recycle and wear old clothes with tight-fitting sleeves.

This program is open to ages 10 and up (children under 16 must be accompanied by an adult), preregistration is required. It costs \$5 for members; \$6 for nonmembers. Each session is limited to 25 participants.

■ Project FeederWatch

Birdwatchers old and new can participate in Cornell University's Project FeederWatch, a national bird-counting event. Shaver's Creek will host the Project FeederWatch Training program from 1 to 3 p.m. Sunday, Nov. 12.

During the training, participants learn how to count the birds and record the data. As an official project participant, each winter and spring Shaver's Creek sends counts of local bird populations to Cornell's Lab of



Doug Wentzel and Ann Taylor get the pumpkins ready for the annual Children's Halloween Trail and Festival at Shaver's Creek Environmental Center. Two acres of pumpkins were grown at the The Russell E. Larson Agricultural Research Center at Rock Springs near University Park for the event. For more information, see the story on this page.

Photo: Greg Grieco

Ornithology to be compiled with data from across the nation and the Canadian provinces. Upon completion of the training program, volunteers are asked to participate in the counting by observing the Shaver's Creek feeders from the center's feeder-watching room. Interested educators also can implement the program in their classroom and school.

This program is open to all ages.

There is no fee. For more information about the program, check the Cornell University Web site at <http://www.birds.cornell.edu/>.

■ Meet birds of prey

Shaver's Creek Environmental Center is offering visitors the opportunity to view live animal presentations between 2 and 4 p.m. every Saturday and Sunday, continuing through Dec. 10. At the Meet Our Birds of Prey pro-

gram, participants can come early to stroll the grounds and learn about the resident wildlife in a unique, informal family setting.

This program is free to the public with general admission on weekends.

For more information about Shaver's Creek events, call (814) 863-2000 or (814) 667-3424, e-mail Shaver'sCreek@outreach.psu.edu or visit the Shaver's Creek Web site at <http://www.outreach.psu.edu/Shaver'sCreek/>.

Time to order

It's time to order new phone directories. Verizon (formerly Bell Atlantic) State College/Bellfonte 2001-2002 directories will be delivered February 2001. Southwestern Centre County 2001-2002 directories will be delivered in September 2001.

All orders must be completed by Nov. 1. To order, complete the form on the Web at http://www.otc.psu.edu/services/staff/callcenter/directory_order.html.

For more information or assistance, call Penny Confer at (814) 865-6881.

December holiday

Questions arise each year regarding the University's December/New Year's closedown period. There are no "odd" weekdays involved in the schedule this year between the last day of offices and normal operations are open, until the day the University reopens.

Except for essential services and operations, the University will close at the normal end-of-business times on Thursday, Dec. 21, and will reopen at normal starting times on Tuesday, Jan. 2.

The official University holidays are: Friday, Dec. 22, Monday, Dec. 25, Tuesday, Dec. 26, Wednesday, Dec. 27, Thursday, Dec. 28, Friday, Dec. 29, and Monday, Jan. 1.

In keeping with this schedule, biweekly and monthly paychecks will be released on Thursday, Dec. 21. Biweekly checks will be negotiable that day. Monthly paychecks will be negotiable Dec. 29. Automatic deposits will not be made early.

This schedule and payroll information does not apply to the College of Medicine at The Milton S. HERSHEY Medical Center.

Questions regarding this holiday schedule should be directed to the appropriate college or department human resources representative, or the director of business services at a facility away from University Park.

COURSES

Health Matters

To register for or learn more about this program on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters.cfm>.

■ Dimensions of Wellness Series — Intellectual Session — WEL 222

Intellectual wellness means striving for continued growth and learning to deal with new challenges effectively. This session will focus on the impor-

tance of how continual learning of new information can help personal, family and career development. Meets noon to 1 p.m. Nov. 1 in 125 Reber Building. Cost: \$5. This session is HealthAmerica HMO reimbursable.



Appointments

College of the Liberal arts appoints new department heads and program directors

The College of the Liberal Arts has appointed four new department heads and program directors.

Frank R. Baumgartner, professor of political science, is the new head of the Department of Political Science; Karen E. Johnson, associate professor of speech communication, is director of the linguistics program, soon to be named the Linguistics and Applied Language Studies (LALS) program; John Lipski, professor of Spanish and Linguistics, is the new head of the Department of Spanish, Italian and Portuguese; and Kidane Mengisteab, professor of African Studies and political science, is the new head of the Department of African and African American Studies.

Baumgartner joined Penn State in 1998 and served as interim head of the department in 1999-2000. His previous appointments have been at the University of Iowa (1986-87), Texas A&M University (1987-98) and Caltech (1998-99).

Baumgartner is a specialist in contemporary American politics and the author of numerous articles and books. His teaching and research interests include American national institutions, public policy processes, agenda-setting, interest groups, lobbying, legislative behavior and French politics.

Baumgartner received his bachelor's degree in political science and French and his master's and doctoral degrees in political science, all from The University of Michigan.



Karen E. Johnson

a multimedia hypertext software that uses technology as a means of fostering teacher development and learning.

Johnson received her bachelor's degree in special education from Hope College; and her master's degree in teaching English to speakers of other languages and doctoral degree in English education from Syracuse University.

Lipski comes to Penn State from the University of New Mexico, having chaired the Department of Spanish and Portuguese since 1996. His previous appointments have been at the University of Florida, the University of Houston and Michigan State University.

His main areas of research include Spanish phonology, language contacts, Spanish dialectology, Creole languages and the African contribution to Spanish and Portuguese. He has written more than 180 articles in these fields and is the author of several books.

Lipski received his bachelor's degree in Spanish and mathematics from Rice University and his master's and doctoral degrees in romance linguistics from the University of Alberta.



John Lipski

Mengisteab comes to Penn State from Old Dominion University in Norfolk, Virginia. He joined Old Dominion's political science and geography department in 1986 as assistant professor and had been professor and chair of the department in 1997.



Kidane Mengisteab

His bachelor's degree in history is from Addis Ababa University, Ethiopia, and his master's degrees in international studies are from Carleton University and the University of Denver. His doctoral degree in international studies is from the University of Denver.

Eberly College of Science names assistant dean

Karin E. Foley has been named assistant dean of the Eberly College of Science.

An administrator and researcher at E.I. duPont de Nemours & Co. Inc. for the past 14 years, Foley joins Penn State with the academic rank of senior lecturer. Her responsibilities include administrative duties related to the research activities of the college, coordination of special projects, program review and strategic planning.

Before joining duPont in 1986, Foley worked for four years as a research chemist at American Cyanamid Co. She also worked as a research chemist for duPont from 1981 to 1982.

She earned her bachelor's degree in chemistry and graduated summa cum laude from Lafayette College in 1977. She received her doctoral degree in analytical chemistry from Purdue University in 1981. While at Purdue, she earned a 4.0 grade-point average, worked three semesters as a teaching assistant, and worked five semesters as a research assistant.

The first two years of her graduate work were conducted at Penn State when her then-adviser, Nicholas Winograd, moved from Purdue to Penn State.



Karin E. Foley

Nominations being sought for potential honorary degree recipients

The Committee on Honorary Degrees is seeking input as it develops a list of potential recipients of an honorary degree from Penn State. The list will include eminent scholars, performers, artists and practitioners in academic fields, and individuals who have made particularly distinguished contributions to society in areas such as public service, business or government.

The committee welcomes nominations of individuals eligible to receive a Penn State honorary degree. The guidelines, developed and approved by the University's board of trustees, include the following criteria:

- Sustained achievement and distinction of national or international significance in an activity consonant with the mission of the University.
- The nomination of individuals

whose achievements and distinction have not been similarly recognized by a number of other institutions is encouraged.

- Alumni of the University are eligible.

- People serving as administrators, faculty or staff of the University are not eligible, nor are people currently serving as members of the board of trustees, as officials of the Commonwealth of Pennsylvania and its subordinate units or members of the Legislature, during their terms of office; nor are their spouses or immediate family members eligible.

Nominations should include the name and a short biography if one is readily available. Send nominations to Janis Jacobs, vice president for administration, 201 Old Main, University Park, or e-mail jef6@psu.edu by mid November.

Achievement award nominations deadline nearing

Nominations are still being accepted for the 2001 Faculty and Staff Achievement Awards, which include the Barash Award for Human Service, the McKay Donkin Award, the Award for Administrative Excellence, the Staff Excellence Award, the Support Staff Award and the Dr. James Robinson Equal Opportunity Award.

Members of the University and local community organizations, as well as individuals, are encouraged to submit nominations. Nominators may obtain copies of a standardized format for submitting nominations by visiting the Office of Human Resources Web site at <http://www.ohr.psu.edu> and following the links under the Document section. The nomination form also is available

by contacting the Office of Human Resources at 863-6188.

A general committee chaired by Billie S. Willis, assistant vice president for human resources, has been appointed to review the award nominations. To see a list of members of the six subcommittees who will screen nominations and develop recommendations for the respective awards, check the Web at http://www.psu.edu/hr/archives/intercom_2000/Oct26/committee.html.

Nominations should be sent to Billie S. Willis, Box 6, Rider Building. The deadline for submitting nominations is Dec. 1. Earlier submission is encouraged. Supporting information which accompanies nominations should be brief and specific to the award criteria.

Stay informed

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at

<http://www.psu.edu/>
and click on the link under "Announcements."

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52



Penn Staters

The **Air Force Reserve Officer Training Corps (ROTC)** at Penn State earned an Outstanding rating from the Air Education and Training Command's Inspector General. This is the highest rating awarded and it is given to only the top one percent of the 143 Air Force ROTC detachments in the nation. This was only the second Outstanding rating given by the Air Education and Training Command's Inspector General to an Air Force ROTC unit in more than three years. The inspection covered a two-and-a-half-year period and reviewed the unit's ability to comply with all laws, instructions and regulations; prevent fraud, waste and abuse; and exhibit unit-initiated, innovative ideas to effectively train future Air Force leaders. The University has the largest Air Force detachment in the Big Ten and one of the largest in the nation. The unit's commander is **Col. Steven Paladini**, professor of aerospace studies.

James B. Anderson, Evan Pugh professor of chemistry, presented a plenary lecture on "Quantum Monte Carlo: From a Few Electrons to a Few Thousand" at STC2000, the 36th Symposium for Theoretical Chemistry, a meeting of German-speaking theoretical chemists and physicists held recently at Litschau, Austria, and sponsored by the European Directorate General, the Austrian Research Association and the University of Vienna.

Linda M. Hanagan, assistant professor of architectural engineering, received the Outstanding Young Alumni award from Virginia Polytechnic Institute and State University. Hanagan received her Ph.D. from Virginia Tech.

Ali Hurson, professor of computer science and engineering, chaired the International Conference on Parallel Architectures and Compilation Techniques in Philadelphia. The conference, the ninth in a series, is meant to provide an open forum for the parallel architecture and compiler research communities to debate key issues of common interest, and to further the state of the art in parallel architectures and compilers.

Austin J. Jaffe, Philip H. Sieg professor of business administration in The Smear College of Business Administration, appeared on a panel, "Real Estate in the 21st Century" at the Asian Real Estate Society International Meetings in Beijing, China. His presentation was on "The Impact of Culture on International Real Estate Markets." Jaffe also served as a distinguished senior fellow at the Swedish School of Economics and Business Administration in Helsinki, Finland; served as a visiting professor at the University of Hong Kong and presented a seminar on "Some Recent and Future Issues in Real Estate Investment;" and presented a paper on "Restitution in Transition Countries" with doctoral student **Lynn M. Fisher** at the European Network for Housing Research International Conference in Balatonfured, Hungary.

Carl Kallgren, associate professor of psychology at Penn State Erie and director of the college's Center for Organizational Research and Evaluation (CORE), presented "The CORE Model of Social Intervention" at the 27th International Congress of Psychology, held in Stockholm, Sweden.

Loukas Kalisperis, associate professor of architecture, was appointed chair of the Accreditation Team in Design of the Republic of Cyprus. Team members are appointed by the president to visit and evaluate privately funded universities and their design programs. Kalisperis also was elected by the European Union to evaluate the doctoral program of the

National Technical University of Athens. In addition, he gave the keynote address at the Nucleo Te Pesquisa Em Tecnologia Da Arquitetura E Urbanismo (NUTAU) conference in Sao Paulo, Brazil; gave an invited talk at the Federal University of Bahia in Salvador, where he was offered a distinguished visiting professorship for next summer; and was recently elected a member of the steering committee of the Association for Computer-Aided Design In Architecture in the United States.

Iam-Choon Khoo, professor of electrical engineering, presented two invited papers at the International Liquid Crystals Conference in Sendai, Japan, and at the First International Symposium on Molecular Synchronization for designs of Advanced Materials at Tokyo, Japan. The subjects of his presentations dealt with "Nonlinear Optics of Liquid Crystals."

Akhlesh Lakhtakia, professor of engineering science and mechanics, delivered an invited lecture, "Filamentary, My Dear Watson," on sculptured thin films at Bianisotropics 2000: Eighth International Conference on Electromagnetics of Complex Media in Lisbon, Portugal. Lakhtakia delivered another talk on nonlinear composites and was the co-author of five other presentations at the conference.

Wine Spectator magazine has honored **Le Jeune Chef Restaurant** at Pennsylvania College of Technology with its Best of Award of Excellence for the depth and breadth of its wine selection. Only 362 restaurants worldwide earned a mid-level "Best Of" award from the magazine.

Bruce Logan, Kappe professor of environmental engineering, was named the first recipient of the Association of Environmental Engineering Professors/Malcolm Pirnie Frontier of Research Award. The award is designed to honor individuals who have advanced the environmental engineering and science field through recognized research leadership and pioneering efforts in a new and innovative research area. The honor specifically recognizes Logan for his work in fractal science. His research centers on environmental transport processes, hazardous waste treatment and wastewater treatment processes.

Raj Mittra was awarded the Millennium Medal of the Institute of Electrical and Electronic Engineers (IEEE) at the International Symposium on Antennas and Propagation in Salt Lake City, Utah. Seven of his former students also were honored with the same award. It was the largest contingency of any alumni group of any university receiving this medal. In addition, Mittra was invited by the Chinese government to present a series of lectures at the Aviation Institute of Beijing. He gave four talks on "Computational Electromagnetics and Radar Cross-Section analysis of Complex Structures," an area in which he specializes. Mittra also was a distinguished lecturer at the IEEE chapter in Kitchener-Waterloo, Ontario, Canada.

The Society for Molecular Biology and Evolution has established an annual lecture in honor of **Masatoshi Nei**, Evan Pugh professor of biology and director of the Institute of Molecular Evolutionary Genetics. The first Masatoshi Nei Lecture was presented recently by **Wen-Hsiung Li**, president of the Society for Molecular Biology and Evolution, during the society's 2000 annual meeting. The lecture will continue in the form of a presidential address during future annual meetings. It was created to honor Nei's contributions to the society and to the journal, *Molecular Biology and Evolution*, which has become one of

the premier journals in its field. Nei is a co-founder of both the society and the journal, and served as the journal's managing editor during its first 10 years.

Charles S. Prebish, professor of religious studies, presented an invited paper on "The Silent Sangha: Scholar-Practitioners in American Buddhism" at the Third Annual Buddhism in America Conference in Estes Park, Colo. The conference was sponsored by Naropa University.

Joseph M. Selden, director of multicultural affairs for the College of Communications, was honored as a 2000 Distinguished Member of the National Society of Collegiate Scholars. Nominated by the student leaders of the Penn State chapter, Selden was selected for his contributions to the classroom, the campus and the community.

Dr. Wiley W. Souba, chair of the Department of Surgery in the College of Medicine and surgeon-in-chief at The Milton S. Hershey Medical Center, presented a talk at the American College of Surgeons annual meeting in Chicago. His presentation, "What Exceptional Leadership Really Is," was part of a post-graduate course for surgeons, which included a number of presentations and discussions on leadership and management.

Six faculty members in the Department of Management and Organization in The Smear College of Business Administration recently received international honors for their research and publications by the Academy of Management Journals. **Linda K. Treviño**, professor of organizational behavior and chair of the Department of Management and Organization, **Philip L. Cochran**, associate professor of business administration; **Dennis A. Gioia**, professor of organizational behavior; **Marlin Kilduff**, professor of organizational behavior and Ph.D. adviser; **Scott A. Snell**, professor of management; and **Charles C. Snow**, professor of business administration, were among only 206 authors from around the world to be recognized by the academy and to receive honorable mention for induction into its Hall of Fame.

Eduard Ventsel, professor of engineering science and mechanics, presented "New Boundary Integral Equation Method Formulation for Plate Bending Problems," at the 22nd International Conference on Boundary Element Method at Cambridge University in the United Kingdom.

Beno Weiss, professor of Italian, was the keynote speaker at an international conference on Polydore Vergil (1470-1555), titled "Polydore Vergil and European Humanistic Culture," in Urbino, Italy. Weiss presented a paper on "Polydore Vergil: A Man for All Seasons."

Paul S. Weiss, associate professor of chemistry, presented an invited talk to the faculty of engineering and the research staff of the Venture Business Laboratory at Kyoto University in Japan. The talk was titled "Molecular Nano-Scale Science and Technology."

The International Electrical and Electronics Engineers Electron Devices Society has named **Christopher R. Wronski**, Leonhard professor of microelectronic materials and devices, recipient of the William R. Cherry Award. The award recognizes outstanding contributions in the field of photovoltaic science and technology. The society promotes the advancement of electronics and electrical engineering through research, development, design, manufacture, materials, technology and applications of electron devices.



Focus on Research

Segregation on the rise within metropolitan school districts

BY PAUL BLAUM
Public Information

With falling white student enrollment shares in U.S. metropolitan public schools, segregation between white and minority students is on the rise, a researcher said.

"School segregation between whites and non-whites — presumably ended by federal legislation and court rulings in the Sixties — is making a noticeable comeback, primarily due to residential housing patterns and population shifts from urban to suburban school districts. In some cities, the U.S. Supreme Court has authorized a return to segregated neighborhood schools. This resegregation trend may require a return to desegregation initiatives that two decades ago were thought unnecessary," said Sean F. Reardon, assistant professor of educational theory, policy and sociology.

"Our data for the school years 1989-95 show declining levels of segregation among various groups of minority students (black, Hispanic and Asian). But they do show increasing levels of segregation between white students and all other minority students," Reardon said.

The study of 217 U.S. metropolitan areas by Reardon and fellow researchers makes clear that the most rapid changes in racial and ethnic diversity are occurring in metropolitan areas.

"Although black, Hispanic and Asian students comprised only 37 percent of the total enrollment in metropolitan areas in 1989, minority enrollment growth accounted for four-fifths of the total metro area enrollment growth between 1989-95," Reardon said.

"While public school enrollment grew by less than 4 percent over this period, while the total combined black, Hispanic and Asian student enrollment rose by 23 percent. Minority enrollment growth occurred equally in city and suburban schools, but increases in white enrollment growth were due entirely to suburban growth; in fact, white enrollment in urban schools actually declined between 1989 and 1995."

Eighty percent of multi-racial public school segregation in the 217 metropolitan areas, both within districts and between districts, could be traced to segregation between whites and various non-whites. Only 20 percent was due to segregation among blacks, Hispanics and Asians.

"Traditional within-district segre-



Sean F. Reardon, assistant professor of educational theory, policy and sociology, found that two-thirds of segregation is between school districts, not within them. A way to address this is through policies aimed at promoting equal access to housing markets, he said.

Photo: Greg Gilico

gation remedies can affect only a third of the total segregation in metropolitan areas," Reardon said. "The remaining two-thirds of segregation is between-district segregation resulting largely from residential patterns. These patterns must be addressed through policies aimed at promoting equal access to housing markets, particularly in the suburbs, where between-district residential segregation is increasing most rapidly."

Between-district desegregation plans were largely frustrated by the U.S. Supreme Court's 1974 *Milliken vs. Bradley* decision, which limited the ability of the courts to mandate between-district school desegregation. The time may have come for the highest court to reconsider that

decision, according to Reardon.

Reardon worked with John T. Yun, a doctoral student in education at Harvard University, and Tanella McNulty Eide, assistant professor of sociology at the University of Miami-Coral Gables to measure segregation by comparing the level of multi-racial and multi-ethnic diversity in individual schools with the diversity of their metropolitan area school enrollment. A district was considered completely segregated if each of its schools was monoracial, with no student attending with any number of another racial group. A metropolitan area where the level of diversity in each school matched that of the entire district was considered thoroughly unsegregated.

Childhood behavior problems predict emotional baggage for young adults

Childhood behavior problems such as temper tantrums, bullying or destructiveness increase the risk of emotional trouble for the young adult, an expert said.

"Compared to their better adjusted peers, children with a history of behavior disorders, once they entered adulthood, achieved significantly lower levels of overall happiness, life satisfaction and self-esteem," said Chris Knoester, doctoral student in sociology. "They also report weaker rapport with relatives, poorer relations with their parents and in general more difficulty in establishing intimacy."

For the complete story by Paul Blaum, check the Web at <http://www.psu.edu/ur/2000/childhoodbehavior.html>.

Researchers design test for visioning ability

Two researchers have fine-tuned a test measuring a key component of leadership: the ability to shape a long-range vision for one's company, church or local school district.

The scale is currently being shared with a Fortune 500 insurance company which will be doing the training as part of leadership development and incorporating the researchers' entire visioning approach into their strategic planning process.

"Leadership experts define vision as an individual's ability to summon a vivid mental image of his or her organization's future, not only in brick-and-mortar terms, but ultimate strategic direction and long-term success," said Peg Thoms, associate professor of management, and Dawn G. Blasko, associate professor of psychology, both at Penn State Erie.

For the complete story by Paul Blaum, check the Web at <http://www.psu.edu/ur/2000/leadershipvisioning.html>.

Charter schools best sold as innovative labs

Proponents of charter schools can make their task easier by adopting a policy of collaboration, instead of confrontation, with the public schools, according to a researcher.

"Charter schools can actually benefit public schools by serving as laboratories for innovative teaching methods and by relieving overcrowded conditions," said Addie M. Johnson, assistant professor of curriculum and instruction at Penn State Great Valley.

Her research shows that unlike the public schools, charter schools are able to design and pursue their own educational vision, without having to adhere to all state regulations.

For the complete story by Paul Blaum, check the Web at <http://www.psu.edu/ur/2000/charterschool.html>



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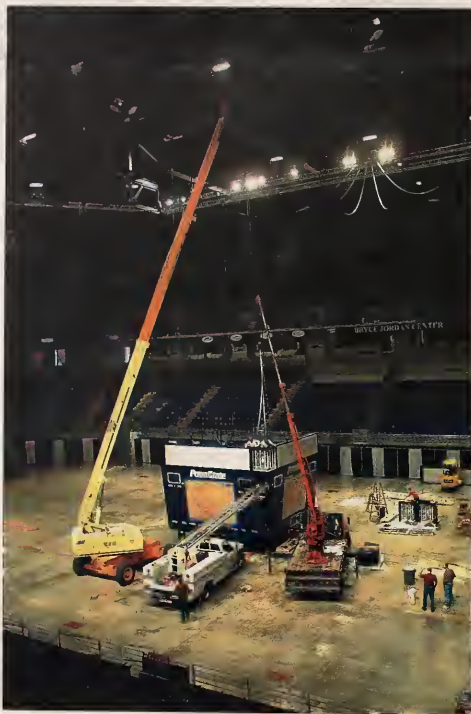
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Scoreboard lift



It may not weigh 130 tons, but the new scoreboard at The Bryce Jordan Center on the University Park campus does have LED display, live video and instant replay capability, similar to the giant scoreboard installed at Beaver Stadium in August. The Jordan Center's scoreboard upgrade also includes LED scoreboards in all four corners of the arena.

Above, workers maneuver cables into place in preparation for the lift, which can be seen in the wider view to the left.

The scoreboards will get their first live workouts next week, as the Lady Lions will have a basketball exhibition at The Bryce Jordan Center at 7 p.m. Nov. 2 and the Nittany Lions will face Marathon Oil at 7:30 p.m. Nov. 3.

Photos: Greg Gneco



Intercom

INFORMING THE PENN STATE COMMUNITY

NOVEMBER 2, 2000

Civility a major issue at Faculty Senate meeting

By ALAN JANESCH
Public Information

Civility issues were a major topic of discussion at the Oct. 24 University Faculty Senate meeting — ranging from hate mail directed at Penn State students and a University trustee to booing opposing teams at Beaver Stadium home football games.

In remarks to the Senate, President Graham B. Spanier spoke out against recent incidents rooted in hatred, violence, prejudice and discrimination — including sexual assaults, hate mail and the harassment of African American students and gay and lesbian students.

"These are intolerable acts," Spanier said. "We condemn such behavior."

Spanier characterized the concentration of recent incidents as "an important University-wide issue that all of us, including the Faculty Senate, have to be sensitive to. We all have to be part of the solution."

Saying he has been spending a great deal of his time worrying and expressing his concern about the

Civility, page 2

Blowin' in the wind



Dave Yeager, of the Office of Physical Plant landscape crew at University Park, gathers leaves near Eisenhower Chapel.

Photo: Greg Grieco

Enrollment growth within planned limits

Following a well-defined enrollment management plan, Penn State's fall 2000 enrollment is 81,270 students — an increase of 397 students over last year — with the modest growth occurring primarily among upper-division students at the 19 undergraduate campuses.

"We established a slow-growth enrollment management plan several years ago to stabilize enrollments at the University Park campus and to allow modest growth in the number of juniors and seniors at other campus locations," said John Romano, vice

Enrollment, page 3

Free virus detection software available

As computer viruses pose an increasing threat to scholarly and administrative activities today, technology experts urge that obtaining and using effective virus detection software is critical for members of the higher education community.

To help ensure that anti-virus software is available and affordable for computer users at Penn State, the Center for Academic Computing (CAC) recently obtained permission for students, faculty and staff to have free access to a virus detection/removal program produced by Computer Associates (CA). The software, called InoculateIT Personal Edition (IFE), can be downloaded

Software, page 3

Civility

Continued from page 1

recent incidents, Spanier urged the Senate audience to visit a University Web site at <http://www.psu.edu/ur/civility/>, which includes several strong statements against acts of incivility and lists resources available to victims of hate and hate-related crimes.

On the topic of uncivil behavior at home football games, the Senate voted after lengthy debate to attach its name to announcements made at certain athletic events, such as home football games, that urge spectators to refrain from booing opposing teams. The vote was 124-59.

Of the more than a dozen Senate members who addressed the issue, many spoke against it, some arguing that the resolution would restrict free speech, others that it would be ineffective.

"It is not an attempt to squelch free speech," said David P. Christy, chair of the Senate Committee on Intercollegiate Athletics. "It's an attempt to encourage civil behavior."

In other business, the Senate revised its standing rules to make the president of the Undergraduate Student Government Senate the third undergraduate student member of the Faculty Senate's Student Life Committee. It also heard informational reports on upcoming changes to employee health insurance benefits (*Intercom*, Oct. 19), resources at University Libraries and the University's proposed 2001-2002 budget (*Intercom*, Sept. 14).

The Senate's next meeting will be held at 1:30 p.m. Dec. 5 in 112 Kern Building, University Park.

Commissions join together to denounce incivility

The following is a statement by the chairs of the three commissions, to promote civility at the University:

Our commissions are deeply disturbed by the recent expressions of hate. We consider these expressions of hate to be acts of violence directed both at individuals and at the communities they represent. We do not condone such behavior, and we are committed to creating a climate that respects and celebrates diversity.

To discourage future hate acts, we strongly urge coalition-building — not only among the groups targeted, but also with those who want to be allies.

Our commissions are here for support. To learn more about our work and for contact information, check the Web at <http://www.lions.psu.edu/equity/>.

Alicia Bunnell, chair of the Commission on Racial/Ethnic Diversity

Neil Johnson, chair of the Commission on Lesbian, Gay, Bisexual, Transgender Equity

Vasundara V. Varadan, chair of the Commission for Women

PENNSTATE



October 26, 2000

An Open Letter to the University Community

This semester there have been a number of disturbing events at the University that have been motivated by hate and prejudice. In recent weeks we have seen intimidating and hostile communications, acts of racial discrimination, violence and sexual assaults, as well as other criminal behaviors. These attacks on the well-being of our community are hateful actions perpetrated by those who want to tear down the bridges that connect our increasingly diverse learning community. They are repulsive actions that rely on fear, intimidation, and threats. And they must not be allowed to continue.

As academic and administrative leaders at Penn State, we are writing this open letter to members of the University community as an invitation for you to join us and President Graham B. Spanier in our stand against incivility and acts of violence, prejudice, and hatred. As a community, we can reclaim our strength and power over these threatening and harmful incidents by uniting and addressing acts of intolerance.

We say to all who would engage in these behaviors that we will not tolerate such actions and we will not allow anyone to divide our community. As President Spanier indicated in an earlier statement, we must not remain silent. For in silence, hate will grow. We must work together to make all of our campuses hate-free zones.

We call on you, the members of our University community, to join us in our fight as we build a coalition against hatred — a community in which all members are accepted and valued. Let us stand together to denounce actions of hate, incivility, and violence. Let us, instead, create opportunities to educate others about the rights of every member of our society and to celebrate the richness of our diversity.

There is still a lot of work to be done. As a community we plan to initiate an aggressive educational campaign to combat acts of hate.

Please join us in this effort.

President's Council

William W. Ashbury, *Vice President for Student Affairs*

Wendell V. Courtney, *University Counsel*

Timothy M. Cutley, *Director of Intercollegiate Athletics*

Richard D. DiGiugno, *Special Assistant to the President for Governmental Relations*

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Richard W. Durst, *Dean, College of Arts and Architecture*

John A. Dutton, *Dean, College of Earth and Mineral Sciences*

Nancy L. Eaton, *Dean, University Libraries*

Frederick H. Gaige, *Dean and Campus Executive Officer, Penn State Berks, Berks-Lehigh Valley College*

Peter G. Glenn, *Dean, The Dickinson School of Law*

Madyon L. Hanes, *Provost and Dean, Penn State Capital College*

Daniel J. Larson, *Dean, Eberly College of Science*

John L. Lestehs, *Interim Dean of the Commonwealth College*

John M. Lilley, *Provost and Dean, Penn State Erie, The Behrend College*

Beverly Lindsay, *Dean, University Office of International Programs*

David H. Monk, *Dean, College of Education*

Judy D. Ollan, *Dean, The Mary Jean and Frank P. Senechal College of Business Administration*

John J. Romano, *Vice Provost and Dean for Enrollment Management and Administration*

Karen Wiley Sandlett, *Dean and Campus Executive Officer, Penn State Abington*

Robert D. Steele, *Dean, College of Agricultural Sciences*

James B. Thomas, *Dean, School of Information Sciences and Technology*

Susan Welch, *Dean, College of the Liberal Arts*

David N. Wormley, *Dean, College of Engineering*

Enrollment

Continued from page 1

provost and dean for enrollment management. "Despite the huge pressure of more than 78,000 applicants, we remain committed to the plan of managed growth, and as this year's figures show, we are right on target."

The enrollment at University Park is 40,571, down 87 from fall 1999.

"In 1996, Penn State restructured its statewide system to provide increased opportunities to upper-division students so that they could complete their degrees at a campus other than University Park. Many students had told us that they were location-bound by family or job responsibilities and wanted their local Penn State campus to offer baccalaureate degree programs," said Romano.

Penn State now offers a limited number of baccalaureate degrees at its undergraduate campuses, programs that, by local surveys, have demonstrated market need in the region and that were developed with the encouragement of community leaders. One

"We are especially pleased that our minority enrollment has grown again this year, with an increase particularly among Hispanic students."

John Romano, vice provost and dean for enrollment

such program is the information sciences and technology baccalaureate degree, which is offered at several campuses.

"We are especially pleased that our minority enrollment has grown again this year, with an increase particularly among Hispanic students," Romano said.

Students of color now comprise 10.6 percent of the total student body, a steady increase since 1990 when minority enrollment was 6.7 percent of the total enrollment.

Minority Enrollment

	Fall 2000	Fall 1999
Native American	149	165
Asian/Pacific Islander	3,121	3,140
African American	3,459	3,454
Hispanic	1,847	1,752
Total minorities	8,576	8,511

Source: Penn State Office of Budget and Resource Analysis

Graphic: Annemarie Moutz

Penn State Enrollment by Location

Location	Fall 2000	Fall 1999
Abington	3,049	3,220
Altoona	3,765	3,869
Beaver	776	768
Berks	2,197	2,067
Delaware County	1,679	1,732
Dickinson School of Law	544	539
DuBois	1,012	1,065
Erie	3,791	3,648
Fayette	1,127	1,041
Great Valley	1,613	1,620
Harrisburg	3,258	3,238
Hazleton	1,377	1,283
Hershey	644	593
Lehigh Valley	693	671
McKeesport	901	834
Mont Alto	1,307	1,292
New Kensington	888	784
Schuylkill	1,124	1,015
Shenango	1,032	1,051
University Park	40,571	40,658
Wilkes-Barre	877	830
Worthington Scranton	1,716	1,664
York	2,006	2,003
Subtotal	75,947	75,485
PA College of Technology	5,323	5,388
Total Enrollment	81,270	80,873

Source: Penn State Office of Budget and Resource Analysis

Graphic: Annemarie Moutz

Software

Continued from page 1

from the CA Web site at <http://www.antivirus.cai.com/>.

A leading electronic business software developer, CA is currently offering InoculateIT as "freeware," requiring only that individuals register for the program before they download it to their computers. The software is designed for Windows 9X/NT/2000 systems and contains a profile of current viruses (and other hostile code) that is updated twice a week free of charge by the company.

According to Jim Kerlin, senior deputy director at CAC, the concern about the damage viruses can inflict at Penn State is growing, as more and more students acquire and use computers for a range of activities including chatting with friends, submitting papers and conducting research.

"New viruses appear at the rate of about three to four each month, he said, "so you can't rely on anti-virus software that isn't updated on a regular basis." Kerlin recommends that computer owners use InoculateIT, or another equally effective product, to perform frequent virus "signature file" updates monthly or

Protect important data from corruption by viruses

The CAC offers a list of guidelines for students, faculty and staff at <http://cac.psu.edu/info/tech/virus.html>. Key recommendations include:

- Create and maintain program and data file backups;
- Obtain anti-virus software for computer systems;
- Use the detection software's updating service at least once a month;
- Don't pass along rumors or unverified notices regarding computer viruses; and
- Keep up-to-date on virus news.

more frequently, to ensure they're protected.

Kerlin said Center for Academic Computing experts evaluated the CA software before the agreement was made, to make sure it offered easy installation, high-quality protection and reliable technical support.

At this time, the company does not provide a comparable version of the

The following Web pages offer anti-virus software evaluation resources and reliable information about current computer and network virus attacks:

- CERT — Software Engineering, Research and Testing: <http://www.cert.org/advisories/>;
- ICSA — Internet Security and Assurance: <http://www.icsa.net/html/communities/antivirus/lab/>; and
- NIST — National Institutes of Standards Technology: <http://www.metro.ch/avpe/VirusBulletin>: <http://www.virusbtn.com/>

InoculateIT software for Macintosh users, but Mac owners are encouraged to obtain the leading detection products available at the Micro Computer Order Center Web site at <http://mac.cac.psu.edu/>.

Another significant ability of InoculateIT is that it is able to check e-mail attachments — an essential capability to look for in all virus detection tools,

according to Steve Pierce, manager of the Willard Help Desk, since viruses are increasingly network-based.

In an article released in May this year, CNET reported that a substantial number of all e-mails that are received by businesses have infected attachments. The report also stated that the recent onslaught of attachment-based viruses and other hostile code has been extremely costly for institutions and businesses.

For example, the "Melissa" virus extracted a price tag of about 80 million and damages inflicted by the highly publicized "Love Bug" virus were in the billions.

To ensure that computers are adequately protected from cyber pests, the CAC offers a list of guidelines for students, faculty and staff at <http://cac.psu.edu/info/tech/virus.html>.

For more details on how to download and use InoculateIT check the Web at <http://ho.cac.psu.edu/pub/per/documents/virus.htm> or e-mail the Center for Academic Computing Help Desks at helpdesk@psu.edu.



Lectures

Cultural studies scholar to discuss violence, the media and masculinity

Cultural studies scholar Sut Jhally will visit University Park Monday, Nov. 6, to discuss how the crisis of violence in America, including the recent rash of school shootings, is actually a crisis in "the societal construction of masculinity." He will also suggest ways in which we can raise "better men."

Jhally's talk, "Tough Guise: Violence, Media and the Crisis in Masculinity" will be held from 7 to 8:30 p.m. in the Carnegie Cinema, 113 Carnegie Building, University Park.

The event, which is free to the public, is sponsored by the Department of Film/Video and Media Studies, the



Sut Jhally

Department of Speech Communication, the Department of Women's Studies and the Waterbury Forum in Education and Cultural Studies.

Jhally is perhaps best known for his controversial and award-winning film "Dreamworlds: Desire/ Sex/Power in Music Video," over which MTV threatened to sue him.

He is the founder and executive director of The Media Education Foundation and the executive producer of a dozen other films that explore issues from commercialism and popular culture to violence and gender.

Comparative Literature series speakers set

The following speakers will be featured at the Comparative Literature Lunches in November:

■ Monday, Nov. 6: Ross Brann, head, Department of Near Eastern Studies, Cornell University, on "Power in the Portrayal: Representations of Jews in Muslim Spain;"

■ Monday, Nov. 13: The Annual Nobel Prize Panel on "A Panel on This Year's Winner of the Nobel Prize for Literature;"

■ Monday, Nov. 20: Kang-I Sun Chang, professor of Chinese at Yale University, on "Gender Theory and Traditional Chinese Literature;" and

■ Monday, Nov. 27: Heinz Ickstadt, director of the Kennedy Institute at the Free University of Berlin and outgoing president of the European Association of American Studies, on "American Modernism: A European Perspective."

The presentations, which are open to the public, start with lunch at 12:15 p.m. in 102 Kern Building on the University Park campus. The presentations and discussions will run from 12:40 to 1:20 p.m.

Attendees may bring a lunch, or purchase lunch in the Kern cafeteria. Coffee and tea will be provided.

Asian regional economic crisis topic of talk

Economist Peter Drysdale of Canberra's Australian National University will present a public lecture on "Australia's Perspective on the Asian Economic Crisis," at 11:30 a.m. Tuesday, Nov. 7, in the International Lounge, 222 Boucke Building on the University Park campus. The program is part of the University Office of International Programs' International Speaker Series.

A professor in the Asia Pacific School of Economics and Management and Research School of Pacific and Asian Studies, and executive director of

the Australia-Japan Research Centre, Drysdale is an expert on Australia's trade and economic diplomacy, particularly with the countries of East Asia and the Pacific. His broader research interests are international trade and economic policy.

Those attending the lecture may bring a brown-bag lunch. Coffee and tea will be provided.

For more information, call John M. Keller at (814) 863-6035 or e-mail jmk13@psu.edu; or call Janet Haner at (814) 865-0771 or e-mail jah3@psu.edu.

Expert on public budgeting, finance to speak

One of the nation's leading experts in public budgeting and finance, Allen Schick from the University of Maryland, is the guest speaker on "Getting the Budget to Perform" at 7:30 p.m. Tuesday, Nov. 7, in the Morrison Gallery at Penn State Harrisburg.

Schick's presentation is free to the public and is sponsored by the Penn State Harrisburg School of Public

Affairs and the Central Pennsylvania Chapter of the American Society of Public Administration.

Schick has worked with the Brookings Institution, federal and state governments, and has testified numerous times before Congressional committees.

For information or to register, e-mail GSG15@psu.edu or call (717) 948-6058.

NASA exec, ex-faculty member to discuss future of space program

Henry McDonald, director of the National Aeronautics and Space Administration (NASA) Ames Research Center, will give a talk on "Advanced Technologies and the Future of the Space Program" at the Penn State Forum at noon Friday, Nov. 3, at the HUB-Roberson Center's Alumni Hall on the University Park campus.



Henry McDonald

Ames Research Center is involved in supercomputing, information technologies, aeronautics and space science research, and has extensive flight and ground-based experimental facilities.

From 1991 to 1996 McDonald was assistant director of computational sciences and professor of mechanical engineering at the Applied

Research Laboratory.

The Penn State Forum is a luncheon speaker series offered by the Faculty Staff Club and sponsored in part by the Penn State Bookstore. The event is open to the public.

Tickets are \$11 for non-members and \$9 for members, and include lunch.

Reservations can be made by mail or in the Faculty Staff Club office at 103 HUB-Roberson Center. Tickets will be on sale at the door on a first-come, first-served basis.

Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon. For more information call (814) 865-7590.

Downtown Center lists November events

The Penn State Downtown Center in Harrisburg has a variety of free public presentations and lectures from November. All presentations are from noon to 1 p.m. at the Downtown Center and are open to the public.

The schedule follows:

■ Nov. 8: Reflections on the Nov. 7 presidential election from a panel including former Pennsylvania Lt. Gov. Mark Singel; Steven Peterson, director of the Penn State Harrisburg School of Public Affairs; Robert Bresler, professor of public policy; and Jeremy Plant, professor of public policy and administration.

■ Nov. 9: A panel discussion on "Women and Elections" featuring G. Terry Madonna from Millersville University; Steven A. Peterson and Carol

Nechemias from Penn State Harrisburg; and Amy Black from Franklin and Marshall College.

■ Nov. 16: Sharon Christ will discuss "Challenges in Adult Education." The Penn State Harrisburg doctoral program in adult education sponsors the lecture.

■ Nov. 28: Ann Van Dyke, assistant to the director of education and community services for the Pennsylvania Human Relations Commission, will report on "How Are We Doing? Women's History Under the Pennsylvania Human Relations Act." Van Dyke monitors organized hate group activity and assists communities and schools dealing with acts of intolerance. The lecture focuses on the progress of women's rights in the Commonwealth.

WebGIS Conference set for Penn Stater

The College of Earth and Mineral Sciences is holding the second annual WebGIS 2000 Conference on Nov. 9-10 at the Penn State Conference Center Hotel on the University Park campus.

The conference will bring together the leading developers, users and researchers in Web-based Geographic Information Systems. This year's conference highlights the emerging Digital Earth and Geography Network frameworks.

As independent events, the Gould Center for Geography Education and Outreach and the Penn Stater Conference Center are sponsoring two GIS training courses immediately before

the conference. ESRI/Philadelphia is offering an "Introduction to ArcIMS" class. The Gould Center, Penn State's ESRI Authorized Learning Center, is offering a two-day "Introduction to ArcView GIS 3.2" course. Both classes will be held at the Penn Stater.

Seating is limited. To register for these classes call Penn State Outreach Information Technology at (814) 863-5145. To view the agenda and register, check the conference Web site at <http://www.gis.psu.edu/WebGIS2000/> or call (800) 778-8632.

For more information, call Todd Bacastow at (814) 863-0046 or e-mail bacastow@psu.edu.

Talk to cover topic of trees in urban areas

James Urban, principal of James Urban Landscape Architecture in Annapolis, Md., will give a lecture, "Trees in Urban Areas," at 8 p.m. Thursday, Nov. 9, in 112 Walker Building on the University Park campus. The lecture is part of the John R. Bracken Lecture Series sponsored by the Department of Landscape Architecture in the College of Arts and Architecture and is free to the public.

A registered landscape architect in Maryland, New York and Virginia, Urban has worked on projects including the streetscape design in Silver Spring, Md., and several projects in Washington, D.C., including the National Sculpture Garden Master Plan, the National Geographic Society Headquarters and the Lincoln and Jefferson Memorial restorations.



More Lectures

American Indian activist artist to be featured speaker Nov. 9

Charlene Teters, interim dean of the Institute of American Indian Arts in Santa Fe, N.M., is the College of Communications' featured speaker in its upcoming American Indian Heritage Month celebration.

Teters' talk, "American Indians in the American Mass Media: We are more than beads and feathers — We are the new faces of an ancient people," will be held from 6 to 7 p.m. Thursday, Nov. 9, in the Carnegie Cinema, 113 Carnegie Building, on the University Park campus. The event is free to the public.

Teters, a member of the Spokane



Charlene Teters

Tribe, has been an advocate for change provoked by racial and social injustices endured by American Indians. She has worked to challenge the inappropriate use of American Indian images, culture and spiritual activities by schools, scholars, museums, corporations and the media. Her history of public challenges is the subject of an award-winning documentary, "In Whose Honor," directed by Jay Rosenstein.

For more information about the American Indian History Month celebration, call Joseph Selden at (814) 863-6081.

REBOOT series continues Nov. 10

The Department of Architecture in the College of Arts and Architecture presents the fourth in a series of four forums, "REBOOT: Rethinking the Design Thesis," for its Fall 2000 lecture series. The forum will be at 4 p.m. Friday, Nov. 10, in 101 Engineering Unit D. A reception will follow. This event is free to the public.

The Nov. 10 forum will feature recent graduates Maria Westerstahl of Cooper Union for the Advancement of Science and Art and Derk Hedel of Princeton University.

At Cooper Union, students are actively engaging communities outside the classroom by embarking on investigations that uniquely tie theoretical questions to actual problems. In her work, Westerstahl studied traditional nomadic cultures and their structures including weaving. By also considering a nomadic interpretation of the house, she challenged the "stable domestic

condition" it represents for Western cultures. A native of Scandinavia, Westerstahl made connections between the "cyclical modes of existence" from her own culture and their tradition of summer dwellings.

Princeton University was selected for participation because of its traditional belief in the value of the design thesis. Co-presenter Derk Hedel's thesis project dealt with the future of 1930s modernist housing structures in East Berlin labeled as "diseased spaces" by the Berlin senate. Hedel documented the views of people living in the housing structures who, surprisingly, wanted to remain in their dwellings. Despite problems with the structures, they appreciated the dual feeling of living in a rural-like setting whilst in the middle of the city. Ultimately Hedel's position was not to erase 40 years of history but to reclaim and reuse the housing structures.

Olympic historian to lecture on 40 years of history of the Games

John Lucas, Olympic historian and professor emeritus of exercise and sport science, will discuss 40 years of Olympic history at 4 p.m. Friday, Nov. 10, in the Lawrence G. and Ellen Foster Auditorium in Pattee Library on the University Park campus. His lecture, "Olympic Games: Scholarship and International Library Research in My Own Time, 1957-2000," is sponsored by the Social Sciences Library.



John Lucas

Lucas, official lecturer of the Inter-

national Olympic Committee (IOC), has attended every Summer Olympic Games since 1960. A finalist in the 1952 U.S. Olympic trials for the 10,000 meter run, he has run 10,000 meters in every Olympic stadium since 1960 on the day before the Games' official opening.

Lucas' lecture is the first in a series being offered during the Social Sciences Library's Friday open houses. For more information, call the Social Sciences Library at (814) 865-4861.

Marketing careers focus of talk

Students will have the opportunity to learn the "ins and outs" of careers in marketing from one of the leaders in the industry during a free lecture in Pattee Library's Foster Auditorium on the University Park campus.

Mike Farabelli, vice president of services marketing for Cisco Systems Inc. and a 1971 graduate of Penn State, will hold three interactive lectures, "Straight Talk About Marketing Careers," on Friday, Nov. 17. The three sessions are scheduled to take place from 9 to 10 a.m., 10:15 to 11:15 a.m., and 1 to 2 p.m. The event is co-sponsored by the Department of Marketing

in The Smeal College of Business Administration and the Schreyer Business Library.

Concurrent with these sessions, the Schreyer Business Library is sponsoring an open house from 8:30 a.m. to 3 p.m. Tours of the library will be held and refreshments will be served both before and after each session.

The "Straight Talk about Marketing Careers" sessions in Foster Auditorium are open to all students interested in careers in marketing and sales.

To register for a session, check the Web at <http://cold.smeal.psu.edu/StraightTalk/index.cfm>.

Organizational effectiveness to be discussed

Both academic and administrative units at other universities have successfully used the Malcolm Baldrige National Quality Award criteria for self-assessment, planning and improvement.

On Friday, Nov. 17, Ann Dodd, senior consultant in the Center for Quality and Planning, will lead a Quality Advocates' Network discussion on the potential for using the Baldrige Criteria as an organizational effectiveness tool within Penn State units. Dodd is a member of the 2000 Board of Examiners for the Baldrige National Quality Award.

The meeting will be from 8:30 to 10 a.m. in 404 Old Main, University Park. Other locations that would like to participate via PiCTel should contact the Center for Quality and Planning.

Register by Nov. 13 by calling the Center for Quality and Planning at (814) 863-8721 or sending e-mail to psucqp@psu.edu.

The Quality Advocates' Network is an informal, bi-monthly gathering of those at the University interested in exchanging information related to improvement and change.

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/web/Classic/catalog/healthmatters.cfm>.

■ The Power of Positive Thinking — WEL 115

Participants explore the energy of thought, become aware of mental patterns and learn how to create beauty, joy and peace in their lives. Meets 1 to 2:30 p.m. Wednesday, Nov. 8, in 110 Henderson Building (The Living Center). Cost: \$5. This session is HealthAmerica HMO reimbursable.

Wilkes-Barre has Distinguished Alumni Award winner

David Reese, Penn State Wilkes-Barre alumnus, was among 26 individuals who recently received the prestigious Alumni Fellow Award. This lifetime award is given by the Penn State Alumni Association to honor prominent and outstanding alumni who are leaders in their fields and have contributed to society and their community.

As an Alumni Fellow, Reese will return to Penn State Wilkes-Barre to share his knowledge and experiences with students, faculty and administration.

David and his wife, Deborah, also a Penn State Wilkes-Barre alumna, recently endowed a scholarship for information sciences and technology students at the campus.

Reese is president and chief operating officer of ACTV Inc.,

a leading New York City-based digital media company that has developed and patented software based programming for interactive digital TV and "enhanced TV." Reese oversees all aspects of business development, programming and day-to-day operations at ACTV. He has structured and led the development of ACTV's relationships with important strategic partners. He joined ACTV in December 1998 as chief financial officer and played a key role in the company's initial public offering.

Reese currently chairs the Dean's Advisory Board of the School of Information Sciences and Technology at Penn State. He attended Penn State Wilkes-Barre for two years and graduated from Penn State in 1978 with a B.S. in accounting.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://www.psu.edu/> and click on the link under "Announcements."



Arts & Entertainment

Play about Poe

"Dreaming Eldorado," presented by the Penn State Beaver Student Theatre Group, will be on stage at 7:30 p.m. Friday, Nov. 3, in the Study Learning Center auditorium at Penn State Beaver. Carol Schafer, assistant professor of integrative arts and theatre at the campus, wrote and directs this original script, based on the life and works of renowned author Edgar Allan Poe.

Described by Schafer as a romantic fantasy, the plot of "Dreaming Eldorado" takes place in both the 1840s and on a present-day college campus. The play offers a fictional solution to the riddle of Poe's mysterious last days. Before his death in 1849, Poe disappeared for several days, was found in a disoriented state and, finally, hospitalized. Poe never completely regained consciousness, and the events leading up to his death remain a mystery even today.

Tickets are \$5 for the general public, \$4 for high school students and \$2 for Penn State Beaver students, faculty and staff, and can be purchased at the door.

Velveteen Rabbit

A two-act dance production of "The Velveteen Rabbit" will be performed by ODC/San Francisco at 2 p.m. Sunday, Nov. 5, in Eisenhower Auditorium on the University Park campus. The performance will include 10 State College area children, ranging in ages from 6 to 12.

The opportunity for local children to work with the professional dancers is made possible by Kids 'n' Starz, a Center for the Performing Arts outreach program created and funded by McQuaide Blasko.

Tickets are \$8. For tickets or more information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849, or check the Web at <http://www.cpa.psu.edu/>.

Oriana Singers

The Oriana Singers will present a fall concert, "Music of Hope" at 5 p.m. Sunday, Nov. 5, in the School of Music Recital Hall on the University Park campus.

The program highlights music about women who changed the world. The second half of the programs features the premiere, in concert form, of "One Life: The Rachel Carson Project" written by Bruce Trinkley, professor of music, and Jason Charnesky. The performance is in conjunction with "Crossing the Threshold," an exhibition of works by women artists at the HUB-Robeson Gallery. "One Life" will have its fully staged premiere at 7 and 9 p.m. Friday, Nov. 17, at the HUB-Robeson Center, University Park.

Joining the all-female Oriana Singers will be P. June Miller, Eleanor Duncan Armstrong, Lisa O. Bontrager and Kim Cook, associates of professors



Members of the cast of "The Piano Lesson" rehearse for their upcoming performance. Pictured from back left are Syeed Malik, Steve Broadnax and Herb Newsome; and front from left, Quantia Mall and Wayne Carr. The play, directed by Charles Dumas, associate professor of theatre, runs Nov. 3-11 on the University Park campus. For information, call (814) 863-0493.

Photo: Greg Grieco

Dave Matthews Band back at University Park

BRUCE JORDAN CENTER

The Dave Matthews Band, with special guest The Funky Meters, will appear at 7 p.m. Friday, Dec. 8, at the Bryce Jordan Center on the University Park campus. Tickets are \$45.50 for reserved seating. The band first performed at the arena on Oct. 7, 1996.

The South-African vocalist/guitarist Dave Matthews formed the Dave Matthews Band in Charlottesville, Va. in the early '90s.

Featuring Matthews, Charlottesville area jazz musicians Carter Beauford and LeRoi Moore, 16-year-old musical prodigy Stefan Lessard and classically trained violinist Boyd Tinsley, the group's music presents a more pop-oriented version of The Grateful Dead, crossed with the

worldbeat explorations of Paul Simon and Sting.

Just seven years after their first release, "Remember Two Things," the Dave Matthews Band has sold more than 15 million albums. The band is currently working on its fourth studio album, planned for release in February 2001.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 and (814) 865-5555, or online at <http://www.bjc.psu.edu/>.

music, as well as guest artists Elisa Matthews, soprano, and Jan Miller, mezzo-soprano.

Tickets for the Nov. 5 performance are \$4 for the general public, \$2 for students, and will be available at the door before the performance.

Bach's Lunch

The Penn State Mallet Ensemble, under the direction of Dan C. Armstrong, professor of music, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Nov. 9, in 128 Music Building II on the University Park campus.

company, a chorus and a folk-instrument orchestra — Verivoka performs dances, songs and music inspired by Ukraine's varied ethnic and topographical regions. The repertoire includes historical ballads, Cossack and chumak songs and dances, Gypsy melodies, scenic compositions and pieces related to various rites and holidays.

Tickets are \$25 for general admission; \$20 for students; \$10 for University Park students; and \$13 for children age 12 and younger. For tickets or more information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849.

Tibetan Monks at Altoona

Touring Tibetan Buddhist monks from Drepung Loseling Monastery will bring their traditions of sand painting to Penn State Altoona on Monday, Nov. 6, and Tuesday, Nov. 7, to discuss and demonstrate the ancient Sand Mandala tradition.

Jampa Kinpoche, an incarnate Tulku, Geshe Lobsang Tshely, and other touring Tibetan monks will offer a ceremonial beginning of the mandala on Monday morning in the Community Arts Center's Titleman Lounge. The sand painting will continue through Monday and end Tuesday afternoon at 3 p.m., with a ceremonial destruction.

The monks also will discuss the process with students from Penn State Altoona's Integrative Arts courses from 9:30-10:45 a.m. in the theater. The lecture is free to the public.

Cultural fair

"Holiday Traditions Around the World" is the theme of Penn State McKeesport's Cultural Fair, set for 12:30 to 2:30 p.m. Nov. 7 in the Frable Conference Center. The program is free to the public.

In presenting a sampling of multi-cultural holidays, the event's goal is to present unity through diversity.

Beginning at 12:30 p.m., Mary Preuss, associate professor of Spanish at Penn State McKeesport, will present a videotape of the Latin American Indian observance of "Day of the Dead," commemorating deceased members of the community.

At 1 p.m. Rosalind Kendal, vice president, Temple B'nai Israel, White Oak, will discuss the celebration of Hanukkah as well as present a display of items used during the Jewish holiday.

John Pisarek, lecturer, Penn State New Kensington, will review "The History of Celebrating Christmas in America" at 1:30 p.m.

At 2 p.m. Tony Mitchell, diversity programs associate, will describe the celebration of Kwanzaa, a cultural holiday that focuses on family and community.

A question-and-answer period will follow each presentation. For more information, call Dottie Kach at (412) 675-9180.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Ukrainian dance

The beauty, fantasy and humor of Ukrainian culture will enliven the Center for the Performing Arts when the Verivoka Ukrainian National Dance Co. performs at 7:30 p.m. Monday, Nov. 6, in Eisenhower Auditorium on the University Park campus.

Featuring a troupe of more than 80 artists — including a ballet-trained dance



University Park Calendar

November 3 - November 12

SPECIAL EVENTS

Friday, November 3

The Piano Lesson, by August Wilson, 8 p.m., through Nov. 11, 2 p.m., matinee Nov. 11, Pavilion Theatre. For tickets, call (814) 863-0255.

Saturday, November 4

Penn State Tailgate, The Bryce Jordan Center.

MUSIC

Sunday, November 5

"The Velvetten Rabbit," 2 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

"Music of Hope," the Oriana Singers, 5 p.m., Recital Hall. Tickets are available at the door.

Monday, November 6

Verivoka Ukrainian National Dance Co., 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Thursday, November 9

The Penn State Ballet Ensemble, Dan C. Armstrong, director, 12:10 p.m., 12B Music II.

SEMINARS

Friday, November 3

Guenter Hasinger on "Large X-ray Telescopes of the Future," 10 a.m., 541 Davey Laboratory.

Greg Krawczyk on "Oriental Fruit Moth — the Redeveloping Challenge for the Fruit Industry," 11:15 a.m., 11B Agricultural Sciences and Industries.

Henry McDonald on "Advanced Technologies and the Future of the Space Program," 11:30 a.m. to 1 p.m., Alumni Hall, HUB-Robeson Center.

Linda J. Lear on "The Art and Craft of Writing the Biography of Rachel Carson," 4 p.m., 112 Kern.

David Howard on "Working with the Gould Center to Create Dufreuch Educational Material for Natural Resource Management in the Lake Tahoe Basin," 4 p.m., 3D1 Steidle.

Saturday, November 4

Mark E. Neely Jr. on "Pennsylvania Politics: The Game Without Rules," 9 a.m., The Nittany Lion Inn.

Monday, November 6

Julia Hsu on a subject to be announced, 3:30 p.m., 339 Davey Laboratory. Sut Jhally on "Tough Guise: Violence, Media and the Crisis in Masculinity," 7 to 8:30 p.m., 113 Carnegie.

Tuesday, November 7

Robert Weber on "Microkinetic Descriptions of Heterogeneous Catalytic Processes," 10 a.m., 14D Fenske Laboratory. Peter Drysdale on "Australia's Perspective on the Asian Economic Crisis," 11:30 a.m., 222 Boucke.

Mark Lee on a subject to be announced, 3:30 p.m., 339 Davey Laboratory.

Erik Novak on a subject to be announced, 3:30 p.m., 31B Desmond Laboratory.

Raman Sundrum on "Warped Extra Dimensions and the Hierarchy Problem," 3:30 p.m., 31B Desmond Laboratory. Stephen D. Hursting on "Nutritional Modulation of Tumorigenesis in p53-deficient Mice," 4 p.m., S209 Henderson.

Wednesday, November 8

"The Clothesline Project," video/discussion, noon to 1 p.m., 12B Boucke.



The Verivoka Ukrainian National Dance Company, featuring a troupe of more than 80 artists — including a ballet-trained dance company, a chorus and a folk-instrument orchestra — will perform at 7:30 p.m. Monday, Nov. 6, in Eisenhower Auditorium on the University Park campus.

Photo: Larissa Pedernichuk

David N. Proctor on "Regulation of Skeletal Muscle Blood Flow During Exercise in Older Humans," noon to 1 p.m., 10B Wardt Laboratory.

Sella Kapu Numan Umantha on "Developmental and Physiological Role of Root Aerenchyma," 12:20 To 1:10 p.m., 10B Tyson.

Thursday, November 9

Dr. Ulrich Mueller on "Is There a Stabilizing Selection Around Average Fertility in Modern Human Populations?" 3:30 p.m., 605 Dewald Tower.

Mark Kasevich on "Atom Interferometry with Ultra-Cold Atoms," 4 p.m., 117 Osmond Laboratory.

Charlene Teters on "American Indians in the American Mass Media: We are More than Beads and Feathers — We are the New Faces of an Ancient People," 6 to 7 p.m., 113 Carnegie.

James Urban on "Trees in Urban Areas," 8 p.m., 112 Walker.

Friday, November 10

Keith Lockitch on "Gauge Models of a Spherical Black Hole," 11 a.m., 31B Desmond Laboratory.

Shirley Luckart on "Anopheles, Plasmodium and Nitric Oxide: Insight into Old Genes, New Chemistry and Innate Immunity," 11:15 a.m., S04 Agricultural Sciences and Industries.

Mike Rios on "Community Building by Design," 4 p.m., 3D1 Steidle.

Maria Westerståhl and Derk Hedel on

"REBOOT: Rethinking the Design Thesis," 4 p.m., 101 Engineering Unit D.

John Lucas on "Olympic Games: Scholarship and International Library Research in My Own Time, 1957-2000," 4 p.m., Foster Auditorium, Pattee Library.

EXHIBITS

HUB-Robeson Center

"Matters of Mind, Perceptions of the Natural World," drawings and collages by Susan Personage and ceramics by Christopher Salsky, through Dec. 3.

"Historic Smagages of Turkey, Photographs and Architectural Drawings," through Dec. 3.

"Restless Metropolis," photography by Denon W. Smith Jr., through Nov. 30.

"Portals and Paths," sculpture by Eric W. Stephenson, through Dec. 6.

Kern exhibit area

"The DeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Dec. 7.

"Germany: Division and Reunited, 50 Years of Post-War German History," through Nov. 30.

"Zen Mind, Zen Art,"

Nov. 9 through Dec. 13.

"Weedle Beetle Ballroom," mixed media boxes by Jennifer Philippoff, Nov. 9 through Dec. 13.

North Halls exhibit area

"Hooked," by David Van Nguyen, oil paintings, through Dec. 10.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," through Dec. 10.

"Did Master Prints and Drawings from the Permanent Collection," Special Exhibitions Gallery I, through Dec. 10.

"Master Drawings from the Collection of Alfred Moir," Special Exhibitions Gallery II, through Dec. 10.

"An Interlude in Giverny: The French Chevalier," by Frederick MacMonnies, through Feb. 25.

Pattee Library

"Faces of Children," 109 Pattee, through Jan. 3.

Risenour exhibit area

"Women First," photographs following the journeys of 16 HIV-positive women, through Dec. 6.

West Hall exhibit area

"The Digital Photography Studio," student exhibition, through Dec. 1.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cae.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Nominations sought for Faculty Scholar Medal

The president's office has put out a call for nominations for individuals eligible to receive the Faculty Scholar Medal, which recognizes scholarly and creative excellence. The medal will be awarded to individuals in the following scholarly areas: arts and humanities; engineering, life and health sciences; physical sciences; and social and behavioral sciences.

For information on deadlines for submitting nominations and accompanying materials, check with the dean's office in the individual colleges. Deans at University Park should submit final rankings of the recommendations from their areas to the vice president for research, 304 Old Main, University Park, Pa. 16802, by Jan. 4, 2001. Campus executive officers and deans from areas outside of University Park should submit recommendations to the dean of the Commonwealth College or the dean of The Graduate School (as appropriate) by Dec. 1.

The Faculty Scholar Medal, established by the Board of Trustees in 1980, will be given at the University Awards Program on Monday, March 26, 2001.

Those eligible for the Faculty Scholar Medal include faculty members holding full-time academic appointments, with professorial, research or librarian titles, as well as individuals who are full-time instructors or assistant librarians. The achievement for which the faculty member is to be honored should have occurred or culminated during the preceding five years. Special attention should be given to the objective of honoring "a single contribution or a series of contributions around a coherent theme."

Nominations must include biographical data, a detailed description of the achievement itself and documented evidence in the form of letters substantiating the claim of the national or international importance of the achievement, specifically citing the value of the recent work. Renominations from the previous year are acceptable.

A committee of faculty peers reviews nominations and selects candidates' names to be sent to the president. Selection panels, one in each of the main scholarly areas, are currently being identified.

Braving the elements



Nada Al-Saman holds an umbrella over Tim Beaver as they complete a project for their civil engineering class on the Old Main lawn at University Park.

Photo: Greg Grieco

Arts

Continued from page 6

Mentalist at DuBois

Robert Channing, mentalist, ESP trainer, showman, hypnotist and motivational speaker, will appear at 7 p.m. Thursday, Nov. 9, in the Hiller Building Auditorium at Penn State DuBois. The event is free to the public.

Channing's performances take his audience on a journey through the boundless possibilities of the human mind. A master of all levels of communication, he interacts on a personal level with those witnessing his mental feats.

For almost 20 years, Channing has exhibited his talents in ESP, mind reading, mental telepathy and other mysteries of the mind. His original demonstrations blur the distinction between reality and illusion.

For more information about the performance, call Rebecca Pennington at (814) 375-4766 or (800) 346-ROAR.

Jazz at New Kensington

The Harold Betters Quartet will bring its jazz sound to Penn State New Kensington at 8 p.m. Nov. 10 in the campus theatre.

Betters has played almost everywhere in the nation over the last 40 years, with some of the biggest names in jazz. Currently, his quartet is the house band for Pittsburgh Steeler games. Over the years, Betters has released a dozen albums. His newest release is "Harold Betters Remembers the Encore."

The concert is free to the public. For more information, call (724) 334-6063.

Big Band at New DuBois

Dr. Zoot, the latest thing in Big Band swing, will perform at 7 p.m. Tuesday, Nov. 14, in the Hiller Building Auditorium at Penn State DuBois.

The event, part of the campus Cultural and Performing Arts Series, is free to the public.

Dr. Zoot takes the old swing of Cab Calloway and Louis Prima and mixes it with the new swing of Big Bad Voodoo Daddy, and adds some mambo, cha cha and even a little Sinatra. The six-piece band achieved success with its 1998 debut CD, "Ghosts of Swing," and has received favorable reviews for its latest release, "Ragtop." For information, call Rebecca Pennington at (814) 375-4766 or (800) 346-ROAR.

Gallery show at Penn College

"Works on Paper," an exhibition of watercolor paintings by Carol Schwartz, will be on display Nov. 7 through 24 at Pennsylvania College of Technology's 202 Gallery in the Alvin C. Bush Campus Center.

Schwartz is an instructor of advertising art at Penn College and a painter of woodland interiors, agricultural environments and flower gardens. The exhibit also will include new watercolors of flowering plants, which Schwartz paints in her studio during the winter months.

The opening reception for the exhibition will be held from 3:30 to 5 p.m. Tuesday, Nov. 7. Viewing hours for the show will be by appointment only, except for Fridays, when the gallery will be open to the public from noon to 5 p.m.

Appointments will be taken for groups of three or more no less than two days in advance. For an appointment, call (570) 326-3761, extension 7675.

Art at New Kensington

A group exhibit by the East Suburban Artists League will be featured in the Penn State New Kensington Art Gallery for the month of November. The ESAL is made up of artists, craftsmen and patrons, and has been in existence since it was formed as the Holiday Park Artists League in 1965.

The ESAL is dedicated to allowing local artists and craftsman to broaden their knowledge of various artistic subjects, further cultivate their talents and showcase their work. It holds lectures, forums, panels, critiques, ESAL-sponsored shows, displays and juried exhibits.

The November exhibit in the gallery will feature a variety of still-life and landscape paintings in oils and acrylics.

Ornament Exhibition and Sale

The 10th Annual Holiday Ornament Exhibition and Sale will be held Dec. 2 and 3 at the Palmer Museum of Art on the University Park campus.

The exhibition is free to the public from 10 a.m. until 4:30 p.m. Saturday and from noon until 4 p.m. Sunday.

Sponsored by the Friends of the Palmer Museum of Art, the holiday event features limited-edition and one-of-a-kind ornaments in all media. Participating artists are from Pennsylvania and all regions of the United States.

Each year an artist is commissioned to create a special, limited-edition ornament. Meredith Wenzel of Toledo, Ohio, was awarded the commission for this year. Her blown-glass ornament is in the shape of an inverted teardrop. The opaque glass is accented with bright streams of color inspired by the colorful tiles on the columns flanking the museum entrance. Wenzel's ornament is available in a gift box for \$24.

During the two-day exhibition, ornaments will be festively displayed throughout the first floor of the museum. After the weekend event, ornaments will be on sale at the Museum Store through Dec. 21.

All proceeds from the holiday ornament sale help support the museum's educational programs.

For more information, call (814) 865-7672.



News in Brief

Football on TV

Penn State's Big Ten home football game with Iowa on Saturday, Nov. 4, will be televised by ESPN Regional to a syndicated audience. The All-University Day contest will kick off at 12:10 p.m. in Beaver Stadium, University Park.

Fans should check their local listings to see if a station is carrying the game in their market.

Annual blood donor challenge

Students, faculty, staff, alumni and fans at University Park are asked to join the Red Cross Nov. 6-17 in the seventh annual Penn State-Michigan State Blood Donor Challenge.

The event is scheduled to raise about 1,800 pints of blood for area hospitals, and the school with the most blood donations will be announced at the football game between the two schools Nov. 18 at Beaver Stadium on the University Park campus.

Penn State leads the blood donor challenge series, donating the higher number of pints of blood in four of the six years the contest has been held. According to Connie Schroeder, campus coordinator for American Red Cross Blood Services, the challenge helps the Red Cross build blood inventories for the final six weeks of the year, a time when the blood supply is especially hard to maintain.

The schedule of challenge drives follows:

- Nov. 6: Waring, West Halls, 1-7 p.m.
- Nov. 7: Stephens, South Halls, 1-7 p.m.
- Nov. 7: Warnock, North Halls, 1-7 p.m.
- Nov. 8: Pollock, Pollock Halls, 1-7 p.m.
- Nov. 8: Fisher, East Halls, 1-7 p.m.
- Nov. 9: Fisher, East Halls, 1-7 p.m.
- Nov. 10: McElwain, South Halls, 1-7 p.m.
- Nov. 12: Pollock, Pollock Halls, 1 p.m.
- Nov. 13: Multi-Sport Facility, 11 a.m.-6 p.m.
- Nov. 14: HUB-Robeson Center, 10 a.m.-4 p.m.
- Nov. 15: HUB-Robeson Center, 10 a.m.-4 p.m.
- Nov. 16: HUB-Robeson Center, 10 a.m.-4 p.m.
- Nov. 17: HUB-Robeson Center, 10 a.m.-4 p.m.

Appointments are recommended. To schedule, call the Red Cross at (814) 237-2713 or e-mail ccblood@vicon.net.

West Campus meeting

A public presentation of the draft West Campus Master Plan will be made by Eliza Pennypacker, director of Campus Planning and Design, from noon to 1 p.m. Nov. 9 in 112 Kern Building, University Park.

This plan is currently in a draft stage and will eventually be submitted to the Board of Trustees for review and approval.

While the target audience is the campus community, anyone interested in the West Campus may attend and share ideas.

Dinner supports United Way

Enjoy Northern Italian cuisine and raise funds for the United Way by participating in the College of Health and Human Development's "Dinner at Café Laura."

The dinner takes place at 6:30 p.m. Saturday, Nov. 11, at Café Laura in Mater Building on the University Park campus.

Tickets are \$30, completely tax deductible, and must be purchased in advance. To purchase tickets, call Tina Meyers at (814) 865-3253 or e-mail tmm2@psu.edu; call Cleo Campbell at (814) 865-2643



Matt Lambert, executive chef at Café Laura on the University Park campus, prepares rolls for the lunchtime rush. Lambert will be busier than normal on Nov. 11, as Café Laura will hold a dinner in support of the United Way that evening. For details, see the story on this page.

Photo: Greg Grieco

or e-mail cac6@psu.edu; or call Elana Pyle at (814) 865-1717 or e-mail pvq@psu.edu.

World Campus open house

The World Campus will hold an open house from 1:30-5 p.m. Wednesday, Nov. 15, at the Penn State Conference Center Hotel. The event is open to those interested in finding out more about Penn State's virtual university.

The World Campus, which began in January 1998, is a way for adult learners to achieve their educational goals via the Web. World Campus faculty and staff members will be demonstrating online courses and offering information on the technical support environment designed to aid both faculty and students in a World Campus course.

There is no fee for the event, but registration is required. For more information or to register, check the Web at <http://courses.worldcampus.psu.edu/web-comm/openhouse/>.

Cholesterol study

Christine Pelkman, a research fellow in the Department of Nutrition, is studying whether carbohydrates affect insulin resistance, triglycerides and HDL cho-

lesterol, or good cholesterol, in non-diabetic women age 50 to 65. A study group is forming this month and another study group will form in January. Women interested in participating can call Pelkman at (814) 863-3168.

Make plans now

The date for next year's Parents and Families Day on the University Park campus has been set for Saturday, Sept. 29, 2001.

Presented through the joint efforts of the Office of Student Affairs and the Penn State Alumni Association, Parents and Families Day affords families and their Penn State students an opportunity to familiarize themselves with the campus and the ways in which Penn State serves its students. Numerous informative and entertaining activities, departmental open houses and tours are planned.

The University Web site will post the complete schedule of events next fall.

New online service

Students, faculty and staff now have electronic access to current issues of more than 600 multidisciplinary journals from leading journal publisher Elsevier Science Inc.

The new service, called Elsevier ScienceDirect Web Editions, is accessible via the LIAS "Fast Track" (<http://www.lias.psu.edu/>) and includes full-text articles from journals in engineering, the sciences, business, medicine and the social sciences.

Access is for the current year of Elsevier journals that the University Libraries receive in print.

Handbooks on the Web

Information on policies, benefits, services and other related matters of the University can be found in the *Faculty Handbook* and *Staff Employee Handbook*, both of which are online.

To access the *Faculty Handbook*, go to the University's home page at <http://www.psu.edu/> and select "Academic Administration." Click on "Publications" and then *Faculty Handbook*.

To access the *Staff Employee Handbook*, go to the Office of Human Resources home page at <http://www.ohr.psu.edu/> and select "Policies, Handbooks, Contracts." A link to the *Faculty Handbook* also is provided there.

The handbooks are intended for use as a general reference, and to provide the reader with referrals to official sources for definitive answers on University policies and policy guidelines. The handbooks are available in alternative format upon request.

Information to be considered for inclusion in the *Faculty Handbook* should be sent via e-mail to Brenda Hameister at bgh1@psu.edu. Comments regarding the *Staff Employee Handbook* should be directed to Angela Johnson-Tisdale at amj109@psu.edu.

New award recognizes engagement with students

Through the gift of a generous donor, the University has created a new "President's Award for Engagement with Students."

The award will be given during the 2000-01 academic year to a faculty member who goes well beyond responsibilities as a professor to engage and encourage students in their learning, demonstrating deep caring and involvement with students' learning. The honoree will have taken specific actions to be involved in student growth and learning—academic, social and professional. Such professors typically make themselves available to, and

interact with, students outside class, link students to opportunities and help them build their confidence as learners and future contributors to society.

The \$5,000 award consists of \$3,000 going directly to the recipient and \$2,000 to the professor's department, to be managed by the recipient and used for extending the kinds of activities the award recognizes. These activities could include:

- hosting receptions, lunches or picnics for students;
- paying for field trips, museum visits or performances for students in classes;

■ purchasing books, software, personal computing assistants, compact discs or access to portals and databases to enhance student involvement or to improve learning experiences for students;

■ taking students to participate or present at research meetings, internships or performances;

■ support for networking with student organizations, for example, for materials that the professor might bring to a student club or association when serving as a speaker or adviser;

■ bringing speakers from other locations to meet with students; and

■ faculty travel to professional meetings for teaching/learning enhancements.

Each college dean may nominate one person, with the nomination including the name, professorial title and a brief statement, not exceeding two pages, stating why the professor qualifies.

Nominations should be directed to the vice provost and dean for undergraduate education by Dec. 12. On recommendation of a selection panel, the president will select the honoree by Feb. 1. The selection for the President's Award will be recognized at the University-wide Spring Awards Luncheon.

Candidates sought for director of Undergraduate Fellowships Office

The vice provost and dean for undergraduate education announces a search for the director of the Undergraduate Fellowships Office. The position will be available in January 2001, in connection with the impending retirement of the current director, Mary Gage.

The Undergraduate Fellowships Office promotes opportunities for students to compete successfully for major national and international awards and scholarships and provides information and resources concerning competitive scholarships. This includes early identification of potential candidates and information and advice concerning appropriate preparation, often involving interviews, practice sessions and processes for preparing effective applications. The director assembles panels of interested faculty to make selections and nominations and to mentor candidates, maintains a close liaison with academic units and sponsors workshops for faculty and students.

The director must keep abreast of current opportunities and selection processes and work vigorously to ensure access to all appropriate awards for students. Also, the director must keep alert to any changes that could affect students.

Candidates with a strong sense of scholarship, a commitment to high quality undergraduate education, experience in the recognition of high academic achievement and evidence of academic mentoring are highly desired. Ability to work with a wide range of constituencies, scholarship and fellowship agencies, faculty groups, administrators and students is essential. The position is available to qualified faculty or staff. An advanced degree is desirable.

This is a Fixed-Term appointment and is expected to be a nine- to 10-month position, but other arrangements may be possible.

A search committee will begin considering candidates on Nov. 15 and will continue until a selection is made.

Submit nominations or letters of interest together with a full curriculum vitae and three letters of reference to: Joseph T. Mattivi, human resources coordinator, 1-A Old Main, Box 1C-0UE, University Park, Pa. 16802.

Critical thinking



Nicole Corrent, left, Maggie McGinley and Bethany Hughes analyze the art from the exhibit "Africa: Myth, Magic and Reality" in the Robeson Gallery on the University Park campus. The students were completing an assignment for their women's study course, taught by graduate assistant Susan Bracken.

Photo: Greg Gneco

PROMOTIONS

Staff

Karen Sanchez, technician, research in College of Medicine, The Hershey Medical Center

Debra Simpson-Buchanan, coordinator, residence life, Penn State Schuylkill

Jayashree Sonti, financial analyst in Corporate Controller's Office

Janet M. Searly, admissions counselor III in Undergraduate Admissions Office, Office of the Vice Provost and Dean for Enrollment Management and Administration

Mary N. Stenberg, staff assistant VII at Penn State Harrisburg

Kara A. Stevenson, staff assistant VI in College of Engineering

Donna J. Stone, assistant operations supervisor in Computer and Information Systems—Administrative Systems

Suzanne F. Stoner, program assistant at Penn State Harrisburg

Richard P. Stringer, library assistant II in University Libraries

Lisa D. Strouse, administrative assistant II in College of Health and Human Development

Daniel S. Ulrich, front office/special events trainer in Hospitality Services

Donald A. Vlazny, research support associate in College of Medicine, The Hershey Medical Center

Karen B. Walk, staff assistant VII in Intercollegiate Athletics

Julia S. Wayne, admissions officer/writer in undergraduate admissions office, Office of the Vice Provost and Dean for Enrollment Management and Administration

Vicki L. Weidler, senior microcomputer system consultant in Computer

and Information Systems—Center for Academic Computing

Samuel J. Williams, coordinator, minority programs in College of Arts and Architecture

Aidan M. Wilson, research technologist in Eberly College of Science

Ellen B. Wolpert, research support associate in College of Medicine, The Hershey Medical Center

Marissa K. Yarnes, programs and learning center coordinator, Division of Undergraduate Studies at Penn State Worthington Scranton

Debra R. Younkin, staff assistant VI in Undergraduate Admissions Office, Office of the Vice Provost and Dean for Enrollment Management and Administration

Annette M. Yorks, staff assistant VI in Office of the Vice President for Research



Focus on Research



Joseph Irudayaraj, assistant professor of agricultural and biological engineering, worked with Sivakesava Sakhamuri, post-doctoral associate in agricultural and biological engineering, to develop a simple test to determine whether beet sugar invert had been added to honey. Although further testing is needed, initial tests show that their method, which uses spectroscopy, can detect as little as 1 percent beet sugar invert in one type of honey.

Photo: Greg Grieco

New testing approach to help ensure unadulterated honey pot

By ANDREA ELYSE MESSER
Public Information

Commercial purchasers of natural honey may one day have a quick and easy test to assure that sugars from other sources do not adulterate the product, according to researchers.

"Adulteration with cheaper sugars brings down the natural value of the honey," said Joseph Irudayaraj, assistant professor of agricultural and biological engineering. "Consumers expect a natural product with nutraceutical properties, so added sugar does not supply good service to purchasers."

Those who wish to adulterate honey use beet sugar invert because it has a mixture of sugars — fructose, glucose and sucrose — similar to that found in honey. Beet sugar is less expensive and increases the volume of honey. However, because the sugar compositions are so similar, determining if foreign sugars are part of the

composition is difficult.

"Current analysis uses carbon isotope ratios to determine if sugars were added to the honey," said Irudayaraj. "The analysis is time consuming and requires trained people."

The United States also imports honey from China and Brazil. According to Irudayaraj, standards vary between countries and a rapid test to determine the amount of adulteration could help meet U.S. standards.

Irudayaraj and Sivakesava Sakhamuri, a postdoctoral associate in agricultural and biological engineering, were looking for a method that could be done in a few minutes by someone with minimal training. They chose spectroscopy, a method that uses the principle of interaction of light with matter to differentiate substances.

So far, they have tested one type of honey adulterated with various amounts of beet sugar invert.

"Using spectroscopy and statistical analysis, we can identify honey adulterated with as little as 1 percent beet sugar invert," said Irudayaraj. "Usually, anything above 7 percent foreign sugar is considered adulterated, so this method works."

Honey is categorized by type — clover, orange blossom, wildflower — and by geographic region. A clover honey from Colorado and one from Florida, while both derived from clover, may have different chemical properties. The researchers are now working with Jack White, a recognized honey expert, and the National Honey Board, to test their method on a variety of honey types from diverse regions to develop a set of standards for this test method.

Although Sakhamuri and Irudayaraj have shown that there is a spectrographic difference between natural honey sugars and the sugars in beet sugar invert, they do not yet know what those differences are.

"We now know that the test will show a difference, but we are not sure why," said Irudayaraj.

Media polls tend to influence quality of political campaigns

Media sponsorship and coverage of election polls has affected the quality of the polls and their usefulness for citizens, according to a researcher.

"Polls influence the quality and character of political campaigns, and their role in campaign coverage has changed dramatically," J. Michael Hogan, professor of speech communication, said. "The number of polls has increased substantially in every election since 1980 and the media organizations that sponsor them are more interested in news about the 'horses' than in the substance of the campaign."

Hogan said this portrays a very cynical view of the electorate.

"The danger in all of this is that it puts the American public in the role of spectators rather than active participants. This media obsession with polls — and I believe it is an obsession — also reflects a cynical view of the electoral process as a mere game rather than an important debate over the nation's future. The proliferation of polls artificially affects media interpretations of political campaigns in ways that, in my opinion are bad for the political system, the presidential campaigns and public discussion."

Hogan has conducted extensive research on public opinion and polling, political campaigns and social movements, and presidential rhetoric. His interest in election polls focuses on how they affect the conduct of political campaigns, the speeches and strategy of the candidates, and media coverage.

Hogan believes that the role of polls in politics began to change in the early 1980s when the media established such polling "partnerships" as the *USA Today/CNN/Gallup Poll* and the *CBS News/New York Times Poll*. According to one study, just 26 "horse-race" polls were conducted in the first seven months of the 1980 presidential campaign, while 136 such polls were conducted during the same period of this year's presidential election.

"Today's polls are not serving the important democratic function of assessing public opinion for the guidance of policymakers, as George Gallup envisioned in the early days of polling," he said. "Instead, the obsession with polls by the media is corrupting and trivializing the democratic process. The only purpose they serve is to create news stories."

For the full story, check the Web at <http://www.psu.edu/sur/2000/polls2000.html>

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Green architecture



The Centre County/Penn State Visitor Center was built with the environment in mind. These large windows are on the north face of the building, to allow as much natural, northern light into the building as possible. The plantings in the foreground to the right are native to the central Pennsylvania region.

Photo: Greg Grieco

Visitor Center architecture is sensitive to its surroundings

By BILL CAMPBELL
Special to *Intercom*

Greener is better at the new Centre County/Penn State Visitor Center. The \$3.5 million, 15,000-square-foot building, located at Park Avenue and Porter Road near Beaver Stadium on the University Park campus, is a joint venture of the Centre County Convention and Visitors Bureau and Penn State.

"We tried to apply the principles of green architecture, or architecture that is sensitive to the area, to the building," Richard Riccardo, project manager in the Office of Physical Plant, said. "We tried to use only materials indigenous to the region. Green architecture suggests that you don't do anything that the site wouldn't allow you to do."

The building, which was officially dedicated last month, was designed by Susan Maxman architects of Philadelphia, known for sustainable architecture and recognized by the state's Growing Greener program, and Andropogon Associates of Philadelphia, a nationally renowned landscape architecture firm.

"The team focused on an eco-friendly design of the Visitor Center," Eliza Pennypacker, director of campus planning and design in the Office of Physical Plant, said. "It seemed to be an ideal project to celebrate the region's indigenous features, whether it's building or plant materials. It provides visitors an opportunity to see the best that the region has to offer."

"I'm really excited about this proj-

ect. I think it represents the kind of ecological leadership in which Penn State should take pride. I'm also thrilled with our partnership with the Visitors Bureau on the project. It says a lot about our cumulative pride in this region."

According to Pennypacker, the environmentally sustainable approach to the center's landscaping involves two components. All plant materials are native plants, requiring less maintenance and water than ornamental plants and, therefore, more cost-effective.

"More importantly, they give visitors an opportunity to see how they are used individually in any landscape," she said. "It is an opportunity to remind people that native plants are just as beautiful as the ornamental material we usually use. It is a landscape that is ecologically responsible. At the same time, it will allow visitors and school children to become familiar with native plants, and it provides a research opportunity for Penn State faculty, students and staff."

The other component involves porous pavement in the building parking area that allows rainwater runoff to infiltrate through drainage beds and recharge into the groundwater table. Two small wetlands on the site, planted with native materials, also allow runoff to infiltrate or perk into the ground.

Under a grant from Pennsylvania's Growing Greener project, Brian Dempsey, associate professor of civil engineering, currently is monitoring

the flow and quality of stormwater runoff on the site and is comparing it against a traditional parking lot.

Riccardo said environmental concerns were taken into account initially in the siting of the building. It is located high on the site in an east-west configuration to minimize exposure to northwest winds. Large windows on the north face of the building allow as much northern light as possible. On the south face, which is the entry side, the windows are placed in a manner to gain solar heating and warmth.

"By positioning the windows appropriately, you can minimize the space in the building that you have to heat or cool mechanically," he said. "We've minimized the amount of exposure to the building and used as much natural light as possible to minimize use of other lighting."

Another energy efficient effort involves the effluent pipeline, which connects the University's wastewater treatment plant with the spray fields. The excess heat in the pipeline is extracted through a heat exchanger and provides heating and cooling for the building.

Pennypacker said environmental concerns would continue to play a role in future University building projects.

"We are taking steps toward ecological sustainability and design at Penn State," she said. "The Visitor Center is simply the first step. I'm looking forward to seeing many more buildings in the future designed with sustainable principles."



Intercom

INFORMING THE PENN STATE COMMUNITY

NOVEMBER 9, 2000

Lighting the way



Erika London, senior class gift committee chair, left, applauds the choice of class gift: "shepherd's crook" lamps to be installed along the mall on the University Park campus. Looking on are Kim Yuhas, class gift advertising and public relations chair, third from right; Deanna Barber, ballot selection chair; and President Graham B. Spanier.

Photo: Greg Grieco

Historic light restoration project is chosen as this year's class gift

BY ANNE DANAHY
University Relations

Penn State seniors have voted to light the campus walkways with "shepherd's crook" lamps that evoke times past as their gift to the University. The gift will provide for installing lamps along the mall that will be modeled on turn-of-the-century walk lights that had lined the area of campus known on the National Historical Register as "The Old Campus Complex."

"The theme that the senior class gift committee chose this year is 'For the Future ... We Pledge Our Pride,'" said Erika



The clock for the Old Main Tower was a gift of the class of 1904. The clock's Westminster chimes were from the class of 1937.

Photo: Greg Grieco

London, chair of the senior class gift committee. "We wanted to leave our mark in a way that

shows the unity among those in our class. The historic lighting reflects our pride and unity because we're celebrating the history and uniqueness of the University. I've heard a lot of enthusiasm for this gift, and I expect there will be a lot of excitement for it."

Penn State's Office of Physical Plant will work with LaFace and McGovern Associates Inc., a lighting manufacturer representative, to custom-design the lights so the fixture style is crafted in a unique way suitable to the University Park campus. The Lighting Master Plan Project, to be initiated

Gift, page 3

University wishes students happy, safe 21st birthday

BY ALAN JANESCH
Public Information

When Penn State student Ebony T. Jackson turned 21 this year, she got a birthday dinner at a Chinese restaurant from some friends, a pass for a free massage from another friend, a little party at home with her family — and a birthday card from University Health Services.

The brightly colored card offered birthday greetings and a cautionary message about high-risk drinking.

Jackson's response?

"At first I was surprised," she said. "And then I thought it was a good idea. If you're dead set on, 'It's my 21st birthday, and I'm going to drink,' it might not make any difference to you. But if you're open to new things, I think you would be receptive to it."

The card was sent to Jackson through a program endorsed and funded by the University Park Campus Community Partnership (UPCCP), a coalition focused on the prevention of high-risk and underage drinking.

This year, more than 6,100 of the cards will be mailed to students turning 21 — an average of about 680 a month during the nine months of the academic year.

Inside each card, there's a message from Dr. Margaret Spear, director of University Health Services and former UPCCP co-chair.

"May your 21st birthday be a milestone to

Card, page 2

Math education wins \$3 million grant from NSF

A nationwide shortage of mathematics education professors prompted the National Science Foundation to award a major competitive grant to Penn State and several other universities to establish a new Mid-Atlantic Center for Mathematics Teaching and Learning in hopes of reversing the trend.

At a time when states are moving toward higher academic standards for all subjects, including mathematics, the nation is producing far fewer mathematics education professors than the country needs. More than 200 mathematics professorships were available last year, yet the nation produced fewer than 100 qualified graduates. If the shortage continues, math instruction in public and private schools could falter.

Grant, page 2

Card

Continued from page 1

remember," Spear said in the card. "We hope you and friends enjoy celebrating your birthday."

The message continues, "If you choose to drink, please be careful. Remember, drinking large amounts of alcohol in a short period of time can threaten your health. It's your birthday. Make it a good night, not a good-bye."

Enclosed with the birthday card is a smaller card that on one side provides information on alcohol poisoning and ways to help someone who's had too much to drink. On the other side is a coupon that can be redeemed for a free dessert or alcohol-free drink.

Jackson was particularly receptive to the card's messages. A senior from Pittsburgh who's majoring in biobehavioral health, she's trying to turn her minor in health policy and administration into a second major.

She's also in training to become a peer educator in a University Health Services program called HealthWorks. Through the program, students educate other students about various health issues, such as nutrition, wellness, sexual health, and alcohol, tobacco and other drugs.

Jackson doesn't drink, but she thinks that open-minded students will find the card's message positive, too.

"Lots of people might want to go on a bar tour on their 21st birthday, but for some people it's really just another day. You don't have to do the drinking part."

Pam Koons, marketing manager for University Health Services, oversees administration of the birthday-card program.

"The intent of the program," she said, "is to encourage healthier and safer birthday celebrations and to let students know that community and University members care about their well-being."

The cards were developed with the assistance of HealthWorks and the



Ebony Jackson, a senior in biobehavioral health, with the 21st birthday card she received from University Health Services. Jackson is training to become a peer educator in a University Health Services program called HealthWorks.

Photo: Greg Grieco

Tavern Association of State College. University Health Services will do a formal evaluation of the program later this year. Informally, it has received several positive observations and comments from students and parents, according to Linda LaSalle, community health educator for University Health Services and chair of the UPCCP's Awareness and Education Committee.

The current birthday-card program

is an outgrowth of a program that began in a different form in the mid-1990s. Under the original program—the brainchild of David E. Stormer, former assistant vice president for safety and environmental services—University police services sent birthday greetings to students turning 21. This year the program was modified and assumed by University Health Services.

Grant

Continued from page 1

The mathematics education program received \$3 million of a \$9 million NSF grant through the University of Maryland to provide substantial support of graduate students in the program as well as research initiatives to learn how mathematics educators acquire the requisite knowledge in the field.

According to M. Kathleen Heid, professor of mathematics education at Penn State and co-principal investigator for the three-university project, the grant is helping to build the mathematics education infrastructure.

The grant addresses two problems associated with the shortage. First, it provides substantial funding for graduate students in mathematics education. It will support 15 doctoral students at each of the three universities.

Second, it seeks to improve the quality of education these future professors receive. The coordinated efforts are handled by a newly-formed center that combines the resources of three universities—Penn State, the University of Maryland and the University of Delaware. Students will have access to the best faculty and facilities of these three institutions.

A third part of the program is the development of courses with mathematics faculty, including Mark Levi, professor of mathematics at Penn State. These courses will be designed to give mathematics educators the deep knowledge of mathematics that they will need to give quality instruction to future mathematics educators. Other Penn State mathematics education faculty include Glendon W. Blume and Martin A. Simon, professors of mathematics education.

The grant also provides funding for research into how math educators learn and how they might use new technologies to improve math education.

The program requires each participating university to establish a partnership with a regional school district. Penn State's partner is the Pittsburgh Public Schools.

The mathematics education program at Penn State has been growing steadily since its inception in 1983 but has shown remarkable strength in numbers and prestige in recent years. In 1997 the program won an announced five-year, \$2 million grant to develop the CASIM program, which is building curricula to engage high school teachers in using new technologies to teach mathematics.

This most-recent NSF grant also meshes with Heid's work in developing the National Council of Teachers of Mathematics (NCTM) standards, which focus on the development of mathematics knowledge throughout a student's lifetime in the education system. Work with the new grant will help further define standards for mathematics education professors and help them to gain the requisite knowledge and skills necessary to instruct future teachers in how to meet the NCTM standards with public and private school children.

COURSES

Health Matters

To register or to learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters.cfm>.

■ Spiritual Dimension of Wellness — WEL 223

Explore how spirituality serves as a vital part in reaching optimum health. Meets noon to 1 p.m., Thursday, Nov. 16, in 125 Reber Building. Cost: \$5. This session is HealthAmerica HMO reimbursable.

Nominations currently being sought for head of University investments

Applications and nominations are being sought for the position of director of University investments. The person in this position functions as the University's chief investment officer.

This position will provide leadership in the management of the University investment program, and will oversee the investment process within the Office of Investment Management, under the direction of the executive director.

The director will formulate investment policy and asset allocation, select and manage external consultants and investment advisers in all asset classes, provide performance measurements, monitoring and searches.

Applicants must have a proven and thorough knowledge of investment management, including various investment philosophies and styles, performance measures

and methodologies used in evaluating managers, and investment reporting; demonstrated leadership, administrative, decision-making and communication skills; and facility with personal computers. Applicants must have substantial experience in endowment investment administration or investment consulting.

Applicants should have a master's degree or equivalent experience, in investments, finance or related fields, plus 10 to 12 years of related experience. A CFA is strongly desired.

The application and nomination review will begin Nov. 20 and continue until a candidate has been selected. Send cover letters, resumes, salary requirements and the names, addresses and phone numbers of three references to University Investment Director Search and Screening Committee, 416 Old Main, University Park, Pa. 16802.

Class gifts through the years

Many senior class gifts through the years are in or around Old Main on the University Park campus.

For a list of class gifts dating back to 1861, when seniors presented the portrait of Evan Pugh that still hangs in Old Main, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/seniorgiftlist.asp>



The armillary sphere in front of Old Main was a gift of the class of 1966. In the background, the Old Main terrace was a gift of the class of 1913. A sundial on the Old Main lawn was a gift of the class of 1915.

Photos by
Greg Grieco



Lion Ambassador Duane Williams, dressed as painter Henry Varnum Poor, told visitors about how the Land Grant Frescos in Old Main were made. The mural project was begun with a gift from the class of 1932, with funds for the completion of the murals given by the class of 1946.



The Memorial Gateway at Allen Street and College Avenue was a gift of the class of 1916. Maintenance of the elm trees that line the mall in the background was funded by the class of 1986, and an elm tree endowment was created by the class of 1996.

Gift

Continued from page 1

soon, will determine the extent of the historical areas where the shepherd's crook style of walk lights will be used.

"We'll probably do a little modeling on the lights to meet today's standards, and in keeping with the 'dark sky philosophy,'" said John Joseph, a senior landscape architect and the person who originally proposed the idea to the senior class gift committee. "There is a movement in this country to not light up the skies, but to use light more efficiently — to push the light down and spread it out, instead of pushing it up and into the sky."

This allows outdoor lighting to provide well-lit and safer walkways while not detracting from the dark skies that make stargazing possible, according to Joseph.

Lights will first be installed on the mall running from the Allen Street Gateway to Pollock Road and, depending on the money available, installed in the rest of the National Historical Register area. The shepherd's crook light might then be used as a prototype for replacing lights throughout the historical part of campus, according to Joseph.

This year marked the first time at Penn State that seniors could vote for their class gift online. Altogether, in-person and online votes for the lights beat out two other items on the ballot: a publication endowment to the Penn State Press and support for a library in the soon-to-be-built Career Services Building.

Funding for senior class gifts is raised through members of the senior class pledging the balance of their general deposit, according to London. General



The class of 1900 donated 50 campus benches to the University Park campus, some of which line the mall between Pollock Road and College Avenue.

deposits, which are \$50 for classes entering before Nov. 1999, are held by the University for each student to cover unforeseen expenses, fees and emergency costs.

Seniors have been making class gifts to the University for more than 100 years. At their reunion in 1890, seniors from the class of 1861 gave the University a portrait of Evan Pugh, Penn State's first president, that continues to hang in the lobby of Old Main. More recent gifts include a Peace Garden from the class of 1997 and two aquariums in the HUB-Robeson Center from the class of 1999.



Lectures

Lecture asks, "Was There a Big Bang?"

A free public lecture titled "Was There a Big Bang?" will be given by Michael Weinstein, a graduate student in the Department of Astronomy and Astrophysics, at 2 p.m. Sunday, Nov. 12, in 101 Thomas Building on the University Park campus.

Weinstein's talk is the second of the 2000-2001 Friedman public lecture series on "Origins in Astronomy." Weinstein will discuss the question of how the whole universe came to be, which has been described as a fundamental question in the quest to understand the nature of human life.

In the lecture, Weinstein will examine the evidence for the Big

Bang theory and address related topics.

The purpose of this talk is for members of the general public to hear the evidence, understand the methods by which astronomers arrive at their conclusions and then decide for themselves. There will be ample opportunity for discussion after the talk with Weinstein and other members of the Department of Astronomy and Astrophysics.

Weinstein presently organizes planetarium shows, astronomy activities for children of all ages and stargazing events that reach 2,000 to 3,000 people each year.

Hate victim's mother shares his legacy

On Oct. 8, 1998, Judy and Dennis Shepard were awakened in the middle of the night in Saudi Arabia, where Dennis works, by a telephone call no parent should ever have to receive. What they heard changed their lives forever. Their eldest son, Matthew, was in a coma after having been brutally attacked — because he was gay. The distraught parents flew to Ft. Collins, Colo., and met up with their youngest son, Logan, to visit Matthew in the hospital. On Oct. 12, Matthew died from the injuries sustained in the beating.

Judy Shepard will be sharing Matthew's legacy during her visit to Penn State Altoona at 7:30 p.m. Monday, Nov. 13, in the Adler Athletic Complex, as part of the college's Distinguished Speaker Series.

Shepard has become actively

involved in PFLAG (Parents, Families and Friends of Lesbians and Gays) and she wrote an open letter to school administrators that the organization included in a mailing to high school counselors around the country. In her letter, she encourages school officials to make schools safer for gay students by promoting tolerance and reminding students who harass gay students.

She has also appeared in two Human Rights Campaign public service television spots aimed at curbing anti-gay violence and promoting a greater understanding of gay issues.

The Distinguished Speaker Series is free to the public and each program will be presented in the Adler Athletic Complex. Tickets are available at the Penn State Altoona Bookstore.

Johns Hopkins professor to speak Nov. 14

Dr. Jeremy Nathans, professor in the Departments of Molecular Biology and Genetics, Neuroscience and Ophthalmology at the Johns Hopkins University School of Medicine and investigator of the Howard Hughes Medical Institute, will speak on "Genetic and Evolution of Human Color Vision" in the Life Sciences Consortium's Nov. 14 colloquium. The colloquium will be videoconferenced from 101 Thomas Building to Lecture Room D at



Jeremy Nathans

the Hershey Medical Center at 4:15 p.m.

Nathans received his B.S. from the Massachusetts Institute of Technology and his M.D./Ph.D. from Stanford University School of Medicine in 1987.

His laboratory is interested in two broad areas of research: the molecular biology of human vision and cell-cell signaling via Wnt proteins and their integral membrane receptors.

Digital Earth program manager to visit

Thomas Taylor, program manager for the Digital Earth Initiative, will make a presentation on the Digital Earth Initiative and related geospatial data standards issues from 10 a.m. to noon Nov. 15 in The Nittany Lion Inn Assembly Room, University Park.

This event is sponsored by the Penn State Geographic Information Sciences Community. The presentation is free to the public.

The Digital Earth Initiative is an international effort sponsored by government, business and academia with the goal of developing a virtual representation of our planet. Geographic Information Systems (GIS) Day is being held Wednesday, Nov. 15, as part of Geography Awareness Week.

For more information call Todd Bacostaw at (814) 863-0049 or e-mail bacostaw@psu.edu.

Associate professor to open Provost's Speaker Series at Erie

John Beaumont, associate professor of engineering, will present the first lecture in the 2000-2001 Provost's Speaker Series at Penn State Erie. His address, "Building a Bridge Among Faculty, Students and Industry," will be presented at noon Monday, Nov. 13, in the Reed Union Building Lecture Hall. The lecture is free to the public.

Beaumont received the newly created 2000 Council of Fellows Faculty Outreach Award for his leadership in the development of two Penn State Erie outreach centers, the Plastics Technology Deployment Center and the Plastics Computer-Aided Engineering Center, which provide advanced technical services and process improvement for the plastics-related industry in northwestern Pennsylvania. He continues to work through these outreach centers to assist regional manufacturers. Beaumont is the inventor of the melt flipper,



John Beaumont

a technology that has revolutionized the plastics molding process.

Each year the Penn State Behrend Council of Fellows presents its Faculty Research Award and Excellence in Teaching Award to faculty who exhibit outstanding efforts in these areas. This year, the council also established the Faculty Outreach Award, presented to a faculty member for outstanding service to his or her community and profession. The winners of these three awards are then invited to lecture in the Provost's Speaker Series. Other award winners who will be speaking this year include Excellence in Teaching Award recipient John Champagne, associate professor of English, and Faculty Research Award recipient Syed Saad Andaleeb, associate professor of marketing.

For more information about the Provost's Speaker Series, call the Office of Student Activities at (814) 898-6171.

Forum to debate pros, cons of marketing of prescription drugs

Direct-to-consumer (DTC) prescription drug advertising has sparked a controversial debate throughout the medical community. Leading medical practitioners will discuss the DTC advertising debate at the 2000 Donald W. Davis Symposium, "Issues in Direct-to-Consumer Pharmaceutical Advertising," at 7 p.m. Tuesday, Nov. 14, in the HUB-Robeson Center auditorium. The event is free to the public.

In 1997, the U.S. Food and Drug Administration (FDA) substantially relaxed guidelines for DTC prescription drug advertising. As a result, pharmaceutical companies spent \$1.85 billion on DTC advertising in 1999, pushing

annual prescription drug sales over the \$100 billion mark. Since the FDA's decision, DTC advertising expenditures have increased 234 percent.

Many physicians are frustrated by patients' demands for brand-name drugs, according to a poll published in this year's *Journal of Family Practice*.

Sponsored by the College of Communications, the Donald W. Davis Symposium was established to provide an opportunity for the discussion of current issues related to advertising and its impact on society, as well as the ethical and social implications of advertising's impact on consumers, the industry and government regulation.

Professional development workshop is fourth in Graduate School series

"Technology in Graduate Education: Challenges and Opportunities," the fourth in a series of professional development workshops hosted by the Graduate School, will be held from 4 to 6:30 p.m. Tuesday, Nov. 21, in the Presidents Hall at the Penn State Conference Center Hotel on the University Park campus.

James B. Thomas, dean of the School of Information Sciences and Technology, will give the keynote address on "Educational Challenges and Opportunities in an e-World." A panel presentation discussing the challenges of mobile and net-centric computing and simulations, 3-D visualization, and immersion will follow.

William A. Burgess, president of The Graduate School Alumni Society

and senior partner of Computer Sciences Corp. Consulting Group, will be the guest speaker at the networking dinner immediately following the workshop. Burgess has 30 years of corporate and management consulting experience. His topic will be "Consulting and the Systems Integration Field."

The workshop is free, but registration is required. There is a \$5 fee to attend the networking dinner and reservations must be made at the time of registration.

Registration forms are available on The Graduate School's Web site at <http://www.gradsch.psu.edu/calendar/TGEworkshop.shtml> and in 14 Kern Graduate Building, University Park. The deadline to register is Tuesday, Nov. 14.

MORE LECTURES

Son of ex-Soviet leader to address Penn State Forum

Sergei Khrushchev, senior research fellow at the Center for Foreign Policy Development of the Thomas J. Watson Institute and son of the late Soviet leader Nikita Khrushchev, will give a talk on "The Russian Road to Capitalism" at the Penn State Forum at noon Thursday, Nov. 30, in the Ballroom at the Nittany Lion Inn on the University Park campus.



Sergei Khrushchev

Khrushchev was born in 1935 when his father was Moscow party chief, and spent his formative years accompanying him on major foreign trips. Khrushchev — an expert in computer science, missile design and space research — was active in the Soviet missile and space program. He and his wife, Valentina Nikolayevna, became U.S. citizens in 1999.

The Penn State Forum is a lunchtime speaker series offered by the Faculty Staff Club and sponsored in part by the Penn State Bookstore, and is open to the public. Tickets are \$11 for non-members and \$9 for members, and include lunch.

Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center, University Park. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m., followed by the speech and a question-and-answer session at noon. For more information call (814) 865-7590.

The next Penn State Forum speaker is Frank Rhodes, president emeritus of Cornell University, who will speak on "The Research-Intensive University: Prospects for a New Era" on Wednesday, Dec. 13, at the Penn State Conference Center Hotel.

Strategy mapping dialog planned for Nov. 30

All faculty, staff members and students may attend a dialog on strategy mapping, which will take place from 9 to 10:30 a.m. Thursday, Nov. 30, in the Old Main Alumni Lounge on the University Park campus.

The concept of strategy mapping is emerging as a tool to help units manage the implementation of strategic initiatives. Strategy mapping begins with desired strategic outcomes, and aligns those desired outcomes with responsibilities, activities and appropriate metrics at each organizational level within a unit.

Gene Melander, project associate in the Commonwealth College, and Bill Curley, senior director of continuing education in the Commonwealth College, will introduce the concept and share a current application of how the approach could be applied in Continuing Education in the Commonwealth College.

This will be followed by a group discussion of how this tool might apply to other settings at Penn State. Michael Dooris, director of planning research and assessment in the Center for Quality and Planning, will moderate the session.

Participants should register in advance with the Center for Quality and Planning at (814) 863-8721 or psucqp@psu.edu.

A Moo-ving experience



Doreen Delp, left, and Olivia Courtney, members of the Dairy Science Club, led a reluctant cow to the Ag Arena on the University Park campus for the annual Nittany Lion Fall Classic, an event that sold 70 head of Registered Holstein dairy cattle. The event was co-sponsored by the Penn State Dairy Science Club and the Pennsylvania Holstein Association. Currently, the club is holding its annual holiday cheesebox sale. All the cheese and meat in the cheeseboxes are processed at the Penn State Creamery on the University Park campus. Orders are being taken now by Dairy Science Club members. For an order form, call (814) 865-7638 or stop by 312 Henning Building, University Park.

Photo: Greg Grieco

PARTINGS

Several employees announce retirements

Louisa J. Marshall, assistant professor of English at Penn State Altoona, from Sept. 1, 1967, to June 30.

Barry W. McKinley, experimental machinist in the Applied Research Laboratory, from March 22, 1972, to June 30.

Anna M. McMullin, administrative assistant III in the College of the Liberal Arts, from March 1, 1967, to June 30.

Robert B. Sauters, maintenance mechanic A at Penn State Erie, from May 27, 1973, to June 30.

Bonnie L. Schaedel, staff assistant VI in the College of Health and Human Development, from Nov. 1, 1974, to June 30.

Samuel H. Shilling, lead auto mechanic in the Office of Physical Plant, from March 23, 1970, to June 30.

Terril R. Stiles, lead utilities analyst in the Office of Physical Plant, from April 9, 1973, to June 30.

Kathleen I. Stone, library assistant II at Penn State Hazleton, from July 1, 1965, to June 30.

Timothy E. Swartz, lecturer of communication in the College of Communications, from Aug. 12, 1974, to May 19.

Barbara J. Wrye, group leader, janitorial in the Applied Research Laboratory, from Jan. 6, 1975, to June 30.

Emeritus rank

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Charles W. Hill, professor emeritus of biological chemistry and molecular biology in the College of Medicine, The Hershey Medical Center, from Aug. 1, 1968, to Sept. 1.

Charles William Pitts, professor emeritus of entomology in College of Agricultural Sciences, from Dec. 21, 1978, to Nov. 1.

Chemistry stockroom supervisor retires after 45 years of service

F. Nevin Corl, chemistry stockroom supervisor, has retired after 45 years of service to Penn State.

First hired in October 1955 by the Department of Chemistry as a stockroom clerk, Corl also worked as a preparation technician and stockroom inventory clerk, a position that required laboratory preparation, and was later promoted to stockroom supervisor.

His enthusiasm for his work and his loyalty to the chemistry department and the University itself defined Corl's tenure at Penn State. He was a fixture in the department for four and a half decades and began his career so long ago that he started with the University 11 years before Joe Paterno was named head coach of the football team. His career coincided with the administrations of nine U.S. presidents.

Corl, who grew up on a farm near Fairbrook, Pa., lives in Pine Grove Mills and remains active with neighborhood and service organizations.



Arts & Entertainment

"Blue Window"

"Blue Window," a contemporary comedy by Craig Lucas, will be performed Nov. 9-12 and 15-18 in the Penn State Altoona Community Arts Center.

Directed by Nona Gerard, associate professor of theater arts and Professional Actors Equity Association actor, "Blue Window" explores themes of contemporary isolation, hope and the courage necessary to discover what's on the other side of the window.

The play will be performed at 8 p.m. Nov. 9, 11 and 15-18, and at 2 p.m. Nov. 12, in the Paul R. and Margery Wolf Kuhn Theater in the Community Arts Center at Penn State Altoona.

Cost is \$5 for general admission and \$3 for senior citizens and Penn State students with ID. Tickets may be purchased at the Penn State Altoona Bookstore, or at the door one hour before each show. Tickets also may be reserved by calling (814) 949-5209. This play is recommended for mature audiences only.

Penn State Thespians

The Penn State Thespians will present "A Funny Thing Happened On the Way to the Forum," a musical comedy, at 8 p.m. Friday, Nov. 10, and at 2 and 8 p.m. Saturday, Nov. 11, in Schwab Auditorium on the University Park campus. The play is directed by student Adrienne Maitland.

Tickets are \$5 with student ID, \$9 for adults, and are on sale at the Thespian Box Office, the HUB-Robeson Center Information Desk and the Eisenhower Box Office, or by calling (814) 863-0255.

Opera Intermezzo

The Penn State Opera Theatre, under the direction of Susan Boardman, associate professor of music, will present its annual fall event, Opera Intermezzo, at 8 p.m. Friday and Saturday, Nov. 10 and 11, in the School of Music Recital Hall on the University Park campus.

Opera Intermezzo is an evening of short operas and scenes from operas and operettas. Elena Panchenko is the accompanist and music director. Helen Manfull, professor emerita of theatre, is the guest director. Also directing a segment is Suzanne Roy, associate professor of music.

Tickets are \$4 and may be purchased at the door before the performance or by calling the School of Music office at (814) 865-0431.

"Prairie Songs"

Mike Reid's "Prairie Songs," a composition for string quartet and chamber choir, will have its world premiere at 8 p.m. Saturday, Nov. 11, in Eisenhower Auditorium on the University Park campus and the Pennsylvania Chamber Choral will perform the new work, presented and co-commissioned by the Center for the Performing Arts.



Robert McClure is Marcus Brutus and Wendy Windle is Cassius in the School of Theatre production of Julius Caesar. The production will be on stage at The Playhouse on the University Park campus Nov. 17, 18 and 28 and Dec. 2, with previews Nov. 15 and 16. For ticket information call (814) 863-0255.

Photo: Greg Gresco

Reid, who earned a music degree at Penn State in 1970, took inspiration for "Prairie Songs" from a photograph of a deserted homestead on the frontier.

Prices are \$22 for general admission; \$18 for students; \$8 for University Park students; and \$11 for children 12 and younger.

For tickets or more information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849, or check the Web at <http://www.cpa.psu.edu/>.

Symphonic Wind Ensemble

The Symphonic Wind Ensemble, under the direction of Dennis Glocke, associate professor of music, will present a concert at 8 p.m. Tuesday, Nov. 14, in the School of Music Recital Hall on the University Park campus.

Baritone Richard Kennedy, associate professor of music, will perform a solo during the concert, and graduate student Stephen Crawford will conduct the ensemble for one piece.

Tickets are \$3 general admission and will be available at the door before the performance.

Bach's Lunch

The Penn State Double Reed Ensemble, directed by Timothy Hertz, associate professor of music, will perform for the Bach's Lunch concert series at 12:10 p.m. Thursday, Nov. 16, in the Helen Eskin Eisenhower Chapel on the University Park campus.

The Double Reed Ensemble consists of 16 students, many of whom are

music majors and whose performance areas are oboe or bassoon.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Maps, images of WWII

"Maps and Images of World War II," selections from the Maps Library by Derrick Beckner, are on display in Pattee Library exhibit area on the University Park campus through Jan. 3, 2001.

The conflicts of World War II, delineated through maps, clearly illustrate the war's massive scale and human cost. In this exhibit, Beckner, a maps specialist in the Maps Library in Pattee Library, selects several styles of maps to show the theaters of World War II — Europe, Africa and Asia. His supplemental text describes the significance of each map and explains events that transpired in specific areas. All maps in the display are from the University Libraries' collection.

Additional items in this exhibit are on display in the glass cases in the entry lobby of the Library. War posters, from The Eberly Family Special Collections Library, display imagery that became part of the nation's wartime vocabulary and created a positive-public sentiment. Photographs and other images keyed to map locations offer additional insight into the war.

For more information about the University Libraries, check the Web at <http://www.libraries.psu.edu/>.

Smothers Brothers

The comedy/singing team of The Smothers Brothers will debut on The Community Arts Center stage at Penn College on Friday, March 2, 2001.

Tom and Dick Smothers are among the long-running acts that came out of the folk movement of the early 1960s. Tom's tag of "Mom always liked you best!" was one of the best-known comic catch-phrases of that era.

The Brothers' national reputation skyrocketed in the late '60s with the launching of "The Smothers Brothers Comedy Hour." As the '60s became more political so did the Brothers' show, which was suddenly pulled by CBS management for its criticism of the Vietnam War.

Opening for The Smothers Brothers will be award-winning "fingerstyle" guitarist Keith Knight. The South Carolinian soloist is making a strong reputation for himself as a master of six- and 12-string guitar wizardry.

Tickets are \$21 and \$27, with a limited number of premium seats at \$30, and go on sale at 10 a.m. Friday, Nov. 17. For more information, call the Community Arts Center box office at (570) 326-2424 or (800) 432-9382, or check the Web at <http://www.pct.edu/commarts/liveshows.htm>.



University Park Calendar

November 10 - November 19

SPECIAL EVENTS

Friday, November 10

"A Funny Thing Happened on the Way to the Forum," musical comedy, 8 p.m. Nov. 10, 2 and 8 p.m. Nov. 11, Schwab Auditorium. For tickets, call (814) 863-0255.

Friday, November 17

Julius Caesar by William Shakespeare, 8 p.m. Nov. 17 through Dec. 2, 2 p.m. matinee Dec. 2, The Playhouse. For tickets, call (814) 863-0255.

"One Life: The Rachel Carson Project," multimedia performance, 7 and 9 p.m., HUB-Robeson Center Heritage Hall.

Saturday, November 18

Penn State Tailgate, The Bryce Jordan Center.

MUSIC

Friday, November 10

The Penn State Opera Theatre, Susan Boardman, director, 8 p.m., Recital Hall, through Nov. 11.

Saturday, November 11

Mike Reid's "Prairie Songs," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Tuesday, November 14

The Symphonic Wind Ensemble, Dennis Glocke, director, 8 p.m., Recital Hall. Tickets are available at the door.

Thursday, November 16

The Penn State Double Reed Ensemble, Timothy Hertz, director, Bach's Lunch, 12:30 p.m., Eisenhower Chapel.

SEMINARS

Friday, November 10

Keith Lockitch on "Gauge Models of a Spherical Black Hole," 11 a.m., 318 Dmsond Laboratory.

Shirley Luckart on "Anopheles, Plasmodium and Nitric Oxide: Insight into Old Genes, New Chemistry and Innate Immunity," 11:15 a.m., 504 Agricultural Sciences and Industries.

Mike Rios on "Community Building by Design," 4 p.m., 301 Steidle.

Maria Westerstaehl and Oerk Hedel on "REBODT: Rethinking the Design Thesis," 4 p.m., 101 Engineering Unit O.

John Lucas on "Olympic Games: Scholarship and International Library Research in My Own Time, 1957-2000," 4 p.m., Foster Auditorium, Pattee Library.

Sunday, November 12

Michael Weinstein on "Was There a Big Bang?" 2 p.m., 101 Thomas.

Monday, November 13

Donald Marolf on "Group Averaging and Non-Unimolecular Groups: The Road to Structure Functions?" 2:30 p.m., 318 Dmsond Laboratory.

Hector F. Deluca on "Vitamin D: 2000," 3:30 p.m., 108 Wartik Laboratory.

Julius Rebek Jr. on "Assembly and Encapsulation," 8 p.m., S-5 Dmsond Laboratory.

Tuesday, November 14

Sean Riordan on a subject to be announced, noon, 406 Dswald Tower.

John Weeks on "Density Fluctuations and the Structure of Nonuniform Fluids," 3:30 p.m., 339 Oavey Laboratory.

Jeremy Michelson on a subject to be announced, 3:30 p.m., 318 Dmsond Lab.

Wolfgang Prinz on "What Gets Coordinated in Sinalural Coordination?" 4 p.m., 101 Chambers.



Meredith Weizel has been commissioned to create this year's special limited-edition ornament for the 10th Annual Holiday Ornament Exhibition and Sale at the Palmer Museum of Art on the University Park campus. The opaque glass ornament is accented with bright streams of color inspired by the colorful tiles on the columns flanking the museum entrance. The exhibition is free to the public from 10 a.m. until 4:30 p.m. Saturday, Dec. 2, and from noon to 4 p.m. Sunday, Dec. 3. For more information, call (814) 865-7672.

Julius Rebek Jr. on "Recognition and Replication," 4 p.m., S-5 Dmsond Laboratory.

Dr. Jeremy Nathans on "Genetic and Evolution of Human Color Vision," videoconference, 4:15 p.m., 101 Thomas.

"Issues in Direct-to-Consumer Pharmaceutical Advertising," forum, 7 p.m., HUB-Robeson Center Auditorium.

William Murray on "High Tech and High Stakes: Naval Power in the Hellenistic Age," 8 p.m., 107 Carpenter.

Wednesday, November 15

Thomas Taylor on "The Digital Earth Initiative and Related Geospatial Data Standards issues," 10 a.m. to noon, Assembly Room, The Nittany Lion Inn.

"Linking Research to Policy and Practice: Lesson Learned, Tasks Ahead," noon to 1 p.m., 108 Wartik Laboratory.

Julius Rebek Jr. on "Cavitands as Reversible Polymers," 12:15 p.m., S-5 Dmsond Laboratory.

Mara Guttman on "Pollen Expansins in Grasses and Related Species," 12:20 to 1:10 p.m., 108 Tyson.

Michael H. Rothkopf on "A Primer on Auctions," 1 p.m., 807A Business Administration.

Christopher Wronski on "Amorphous Hydrogenated Silicon and Photonics Technology," 3:35 p.m., 114 Earth-Engineering Sciences.

Thursday, November 16

Subir Sachdev on "Quantum Antiferromagnetism and the High Temperature Superconductors," 4 p.m., 117 Dmsond Laboratory.

Katha Pollit on "Feminism at the Millennium," 4 p.m., 112 Kem.

Friday, November 17

Mike Farabelli on "Straight Talk about Marketing Careers," three interactive lectures, 9 to 10 a.m.; 10:15 to 11:15 a.m.; and 1 to 2 p.m.; Foster Auditorium, Pattee Library.

Concurrent tours of the Schreyer Business Library from 8:30 a.m. to 3 p.m.

Luca Bombelli on "Statistical Geometry and Semi-Classical States in Quantum Gravity," 11 a.m., 318 Dmsond Laboratory.

Meredith Humphries on "Expression of a Dopamine Receptor in the Honey Bee Brain that is Associated with Temporal Polyethism," 11:15 a.m., 201 Borland Laboratory.

"An Integrated Environment for Geographical Visualization, Knowledge Discovery and Analysis: Introducing GeoVISTA Studio," 4 p.m., 301 Steidle.

Saturday, November 18

Fred Gadsomski on "Weather in the New Millennium — A Story of Surprise and Intrigue," 9 a.m., The Nittany Lion Inn.

EXHIBITS

HUB-Robeson Center

"Matters of Mind: Perceptions of the Natural World," drawings and collages by Susan Parsonage, ceramics by Christopher Stealy, through Dec. 3.

"Historic Synagogues of Turkey, Photographs and Architectural Drawings," through Dec. 3.

"Restless Metropolis," photography by Denton W. Smith Jr., through Nov. 30.

"Portals and Paths," sculpture by Eric W. Stephenson, through Dec. 6.

Handmade original dolls by Marilyn McPherson, through Dec. 10.

"Crossing the Threshold: Elder Stateswomen of American Art," Nov. 12 through Dec. 9.

Kern exhibit area

"The DeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Dec. 7.

"Germany: Divided and Reunited, 50 Years of Post-War German History," through Nov. 30.

"Zen Mind, Zen Art," through Dec. 13.

"Weedle Beetle Ballyhoo," mixed media boxes by Jennifer Philippoff, through Dec. 13.

North Hall exhibit area

"Hooked," by David Van Nguyen, oil paintings, through Dec. 10.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," through Dec. 10.

"Did Master Prints and Drawings from the Permanent Collection," Special Exhibitions Gallery I, through Dec. 10.

"Master Drawings from the Collection of Alfred Moir," Special Exhibitions Gallery II, through Dec. 10.

"An Interlude in Giverny: The French Chevalier," by Frederick MacMonnies, through Feb. 25.

Pattee Library

"Faces of Children," 109 Pattee, through Jan. 3.

"Maps and Images of World War II," by Derick Beckner, through Jan. 3.

Ritouron exhibit area

"Women First," photographs following the journeys of 16 HIV-positive women, through Dec. 6.

West Halls exhibit area

"The Digital Photography Studio," student exhibition, through Dec. 1.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conferences and Institutes conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Faculty teaching awards

Nominations are being sought for the 2001 Atherton, Eisenhower and Alumni Teaching Fellow teaching awards. All of these awards will be presented at the Faculty/Staff Awards Ceremony at noon March 26, 2001, in the Ballroom of The Nittany Lion Inn on the University Park campus.

These awards recognize excellence in undergraduate teaching at all Penn State locations.

For more information, including an online nomination form, see the Center for Excellence in Learning and Teaching Web site at <http://www.psu.edu/celt/grants/awards.html>. Nomination forms also are available by calling (814) 863-2599. The deadline for nominations is Nov. 13.

Great American Smokeout

In recognition of the American Cancer Society's annual Great American Smokeout, Health Matters will provide smoking cessation information to interested faculty and staff on Nov. 16.

The smokeout is an opportunity to quit smoking, chewing or dipping for 24 hours or lend a hand to someone who is trying to quit.

Quit kits and smoking cessation information will be available between 8:30 a.m. and 4 p.m. Nov. 16 in the Rider 1 Building lobby on the University Park campus. For more information, call Health Matters at (814) 865-3085.

Coaches vs. Cancer

Coaches vs. Cancer is sponsoring a swimathon to benefit the American Cancer Society from 1:30 to 9:50 p.m. Nov. 19 in the McCoy Natatorium on the University Park campus.

The University is looking for swimmers and donors for the event. Swimmers may pick up a registration form at 223 HUB-Robeson Center and return it by Friday Nov. 10.

For more information call the Undergraduate Student Government office at (814) 863-1874.

Tax reminder

All non-resident aliens claiming exemption from federal tax based on a tax treaty need to complete IRS Form 8233 each tax year.

A copy of the I-20 or IAP-66 (whichever is applicable), plus an original "Revenue Procedure 87-9" (for lecturers, researchers or teachers) or "Revenue Procedure 87-8" (for students, trainees or grad assistants) both need to be attached to IRS Form 8233.

The forms can be obtained at University Park from the Payroll Office, 307 Rider Building; International Students and Scholars, 222 Boucke Building; or college financial offices. Form 8233 also is available on the University's GURU Web site at <http://guru.psu.edu/Central/payroll/data/8233.pdf>. The Revenue Procedure forms are found on GURU at <http://guru.psu.edu/CENTRAL/PAYROLL/NEWS/FORMNOTE.html#87-8>.

These forms must be received by the Payroll



Dressed as the Nittany Lion for Halloween, President Graham B. Spanier welcomed U.S. Sen. Arlen Specter, R-Pa., to the University Park campus. Specter was in town Oct. 31 to talk with students in Willard Building.

Photo: Greg Grieco

Office, 307 Rider Building, University Park, by Dec. 1. Failure to do so may result in incorrect taxation during the 2001 tax year. For more information, call the Payroll Office at (814) 865-7621.

Name change

University Photo/Graphics has changed its name to the Penn State Image Resource Center (IRC) to reflect the addition of new technologies and services available to University units.

Fredric Weber, manager of the center, said the change came about because the center has added new imaging technologies to enhance its ability to serve as an image facilitator for faculty, staff and students.

The Image Resource Center will continue to offer traditional photography, faculty and staff portraits, research photos and aerial and promotional photography. IRC designers will continue to design for print, Web or computer graphics, set design and displays and posters.

In addition, the center handles analog-to-digital imaging and digital photography, and works collaboratively with units on special projects.

For more information, call the center at (814) 866-6507, e-mail fw1@psu.edu or check the Web at http://tango.outreach.psu.edu/Tango/OutreachNews/NewsRelease.taf?function=detail&FullInfo_id1=33245.

Accountability and facts online

The University has developed an online, one-stop resource of all sorts of facts on the University, from budget and finances and alumni activities to student enrollment and Penn State history.

The information is organized in a series of clickable buttons on the main Fact Book Web page at <http://www.budget.psu.edu/factbook/>, and each button has many tables and charts on related information. For example, the button for students takes readers to an index of Fall 2000 enrollment charts by location and ethnicity, graduation rates, degrees awarded and tuition.

The Budget Office also has developed a Web page at <http://www.psu.edu/ur/accountability.html>, where readers will find links to areas of major importance to Pennsylvanians and others who want to know more about the scope, mission, and operations of the University.

The Web site includes information on the budget, the Fact Book, annual crime statistics by campus and the University's Common Data Set, which is a standard set of information used primarily by publishers of admissions guides and others seeking basic information about colleges and universities.

The accountability Web site also includes the University's articulation agreements with other colleges and universities.

PROMOTIONS

Staff

Valerie Patrick, assistant coordinator, contracts and grants management in Health and Human Development

Elizabeth R. Young, Web/publication designer in Student Affairs

Peggy E. Zimmerman, assistant VI in Undergraduate Admissions Office, Office of the Vice Provost and Dean for Enrollment Management and Administration

Technical Service

Pamela S. Bickle, janitorial worker in Office of Physical Plant

Joanne J. Blazer, group leader janitorial in Applied Research Laboratory

Rusty A. Coble, maintenance worker general B in Hospitality Services

Gary A. Culver, maintenance worker general B at Penn State Wilkes-Barre

Ty L. Emel, machine operator utility worker in Business Services

Thomas L. Gay, maintenance worker general C at Penn State Abington

J.R. Harter, track driver in Applied Research Laboratory

Mark A. Knepp, maintenance worker in Office of Physical Plant

Earl J. Lehner, assistant mechanic in College of Engineering

Kevin D. Martz, maintenance worker utility in Office of Physical Plant

Michael L. May, preventative maintenance worker in Office of Physical Plant

Edna M. Mercado, group leader janitorial worker at Penn State Harrisburg

David E. Mignot, maintenance worker utility in Office of Physical Plant

Rita J. Moyer, lead systems analyst in Computer and Information Systems—Center for Academic Computing

Alan W. Nastelli, mechanic A, carpentry, electrical and plumbing at Penn State Harrisburg

Making Life Better

University launches statewide food safety program to help workers meet state certification requirements

By DEBORAH A. BENEDETTI
Outreach and Cooperative Extension

In July 2001, the Pennsylvania Food Employee Certification Act will mandate that at least one person in a managerial position in every licensed food establishment in the Commonwealth be trained in food safety. The state Department of Agriculture will be responsible for enforcement, and the University will take a leadership role in providing the education and training required.

The Pennsylvania General Assembly passed the legislation in 1994 to protect the public from foodborne illnesses. Each year in the United States, there are an estimated 76 million cases of foodborne illness that result in an estimated 5,000 deaths. Mishandling of food, such as improper temperature control and poor sanitation, are the cause of about 95 percent of all foodborne illnesses.

Penn State is using ServSafe®, a curriculum developed by the National Restaurant Association, to educate and train food handlers to meet Pennsylvania's new food certification requirements. ServSafe® is a nationally recognized food safety certification program.

The University's Statewide Food Safety Certification Training program covers food handlers in the retail, food service and bakery sectors. The program is being offered at locations around Pennsylvania now and through

"We had 98 percent of participants pass the exam, and 95 percent said their level of competence was increased as a result of attending the workshops."

Michelle Rodgers, regional director for
Penn State Cooperative Extension and Outreach for the Capital Region

summer 2001. More programs will be offered in the future.

"We started discussing the need for food safety training several years ago," Ed Donovan, director of the Penn State Outreach Office of Statewide Programs, said. "I was a member of a planning committee that included representatives from Penn State Cooperative Extension, Continuing Education units and the Department of Food Science. We knew that we wanted to respond to the Pennsylvania certification requirements in a comprehensive and consistent way, using the best of our resources to help food handlers meet the new state training requirements."

Because of the potential financial impact of the new legislation on smaller businesses, the committee worked to build a budget that would keep the training fee as low as possible throughout the Commonwealth.

The first group of food handlers completed the food safety training pro-

gram in fall 1999 during the pilot test of the program held in seven counties in the Capital Region of Pennsylvania.

Since the pilot test last year, Donovan and Dana McElroy, food safety specialist with the Department of Food Science, have worked closely with the Pennsylvania Department of Agriculture to offer the program in areas where it is needed most.

McElroy also is coordinating instructor training for the program and has prepared a cadre of Penn State Cooperative Extension agents and other faculty instructors to teach the food safety training program.

For the past two-and-a-half years, Cooperative Extension agents in the Capital Region have been conducting the food safety certification program ServSafe® at a few sites. The Capital Region Outreach Council chose this program as its model for the Statewide Food Safety Certification Training program.

Lancaster County Extension Agent

Nancy Wiker, who had previously taught the ServSafe® course, coordinated training for the Cooperative Extension agents who taught the course during the pilot test, which enrolled 82 students.

"We had 98 percent of participants pass the exam, and 95 percent said their level of competence was increased as a result of attending the workshops," Michelle Rodgers, regional director for Penn State Cooperative Extension and Outreach for the Capital Region, said.

The University is planning to offer the food safety training program in Spanish and Chinese to accommodate the needs of individuals for whom English is a second language, and other languages may be added in the future.

The University is offering Statewide Food Safety Certification Training through 22 locations around the state. The training program is being offered in several formats to meet the needs of food handlers: four, four-hour sessions, three, six-hour sessions and two, eight-hour sessions. Evening programs will be offered in some counties for food handlers who work during the day. Programs are under way this fall and more are planned for spring and summer 2001.

For information about dates and locations, visit the program Web site at <http://www.outreach.psu.edu/StatewidePrograms/FoodSafety/>.

Exhibit room to open Nov. 15 in Pattee Library

The Bridget and Heinz Henisch Photo-History Collection Exhibit Room, in 201A Pattee Library on the University Park campus, will open to the public on Nov. 15. The room contains a display area for changing exhibits and is accessible to the public for study purposes.

The collection, acquired from Bridget A. and Heinz K. Henisch in 1995, includes a variety of items of photo-historical interest, such as daguerreotypes, ambrotypes, tintypes, ivorytypes, opalotypes, cyanotypes, daguerreotype cases, albums (family and travel), 19th-century prints on paper, prints on unusual materials, photographically illustrated books (19th-century books with tipped-in photographic prints), cabinet cards, cartes-de-visite, photo-related sheet music, early advertising material and humor. There is a special emphasis on overprinted photographs of all kinds.

The collection, drawn from American and international sources, contains some masterpieces of the art of photography, but its overall concern

is with the social role of photography in the 19th century and the way in which photography was accepted and used for a great variety of purposes, from self-expression to advertising.

Many of the items in the collection are described in three books by Heinz and Bridget Henisch, all published by the Penn State Press: *The Photographic Experience, 1839-1914: Images and Attitudes* (1994); *The Painted Photograph, 1839-1914: Origins, Techniques, and Aspirations* (1996); and *Positive Pleasures: Early Photography and Humor* (1998).

Heinz K. Henisch is professor emeritus of the history of photography. With his first art history course in 1974, he helped establish an advanced degree program in photo-historical studies at the University.

Bridget Henisch, a medievalist and food historian, has written *Fast and Feast: Food in Medieval Society* (Penn State Press); *Cakes and Characters, an English Christmas Tradition* (Prospect Books, London); and *The Medieval Calendar Year* (Penn State Press).

Rock 'n rollin' along



Carrie Waterman works on a Web page for the Rock and Roll Hall of Fame and Museum. Waterman is part of a team working on the project at The Center for Educational Outreach in Popular Music. The center's goals are to develop educational resources to advance knowledge and understanding of American popular music, create course models for teaching and develop relationships with business, industry, government and institutions. The site is being developed through the center by students, because the ultimate audience for the project is primarily students. The site is expected to launch next fall, along with the first course model.

Photo: Greg Grieco



Awards

Eberly College of Science honors several on staff

Three administrative assistants from the Eberly College of Science have been selected for awards in recognition of their contributions to the college. One staff member, Karen Brewster, has earned an Innovation Award and two others, Jeanne Armstrong and Theresa Peters, have been selected for individual Excellence Awards.

Brewster, who works for the Center for Gravitational Physics and Geometry, initiated and led a focus group that developed a welcome packet for post-doctoral scholars. The packet contains an information guide for non-U.S. residents and has been posted on the Web at <http://www.science.psu.edu/hr/FOREIGNNATIONALGUIDELINES.htm>. In addition, Brewster has helped develop a system to streamline accounting procedures within the Center for Gravitational Physics and Geometry.

Armstrong, who works in the Department of Mathematics, has been honored for her skills in communication, leadership, problem solving and organization. Her performance has improved the environment of the department for faculty members and students.

Peters, who works in the Department of Chemistry, has been honored for her administrative skills and leadership. Her skills have helped focus

faculty and staff dedication within the department in constructive and positive directions.

Along with those three honorees, several other staff members who were nominated for awards will receive either a Certificate of Innovation or a Certificate of Excellence. They are:

Certificate of Innovation: Bruce Bryerton, Department of Biochemistry and Molecular Biology; and the Quality Circle on Postdoctoral Scholar Orientation Program, which includes the following members: Brewster; Ella Bashore, Dean's Office; Becky Halpeny, Department of Mathematics; Amy Howard, Department of Biochemistry and Molecular Biology; Rosemary Manning, Department of Mathematics; Bronnie McLaughlin, Department of Biology; Mary Anne Raymond, Department of Mathematics; Anne Stover, Department of Physics; and Jeri Ann Zick, Department of Physics.

Certificate of Excellence: Aileen Duncan, Department of Physics; Halpeny; Mardi Hockenberry, Department of Biochemistry and Molecular Biology; Christine Selders, Department of Astronomy and Astrophysics; Stover; and the Department of Biochemistry and Molecular Biology Business Office, which includes: Cathy Chaffee, Joyce Greslick, Connie Horner and Melissa Kern.

Staff assistant earns spirit award

Dianna J. Rumbaugh, staff assistant to the department of University Relations and Development at Penn State New Kensington, has been selected to receive the fourth quarter Spirit Award.

The award is presented for exemplary performance to the campus. Rumbaugh, active in area politics, recently

served as coordinator of the campus debate between state representative Terry Van Horne and state senator Melissa Hart, who are running for the congressional seat vacated by Ron Klink. She is a long-time county committee woman and campaign chair for state representative Joseph A. Petrarca.

Faculty member wins achievement award

Arlene Hall, associate professor of kinesiology at Penn State New Kensington, has been named the 2000 recipient of the Commonwealth Faculty Achievement award for the Penn State College of Health and Human Development.

The award honors a faculty member at a Commonwealth College campus who makes unique contributions to the college and the campus communities. Hall received a plaque and a \$500 cash award at a ceremony at University Park.

APPOINTMENTS

Worthington Scranton names financial aid coordinator

Gary L. Edstrom has been appointed as the financial aid/veterans coordinator at Penn State Worthington Scranton.

Edstrom earned a bachelor of arts degree in sociology from Bloomsburg University and an associate in arts degree from Penn State.

He has taken master's degree coursework through the University of Nebraska Lincoln's extended education program and is currently pursuing a master's degree in adult education through Penn State's World Campus. Edstrom also served in the U.S. Army.



Gary L. Edstrom

Before his appointment at Penn State Worthington Scranton, Edstrom was employed by CONCERN, professional services for children, youth and families, where he held positions relating to training, recruitment and case-work.

He also served as regional representative for the Governor's Veterans Outreach and Assistance Center, Wilkes-Barre; mental health technician for Friendship House Children's Center, Scranton; and executive director of the Bloomsburg Area YMCA, Bloomsburg.

Beaver names director of campus, community relations

Amy M. Krebs has been named director of campus and community relations at Penn State Beaver.

Krebs is responsible for planning, coordinating and implementing all on- and off-campus special events and programs. She also will serve as the public information officer and news media liaison for the campus and will produce a quarterly campus newsletter designed to reach more than 8,000 campus donors, alumni and friends.

In addition, Krebs is the contact for all campus advisory boards and will work in outreach efforts with campus alumni.

Krebs has served in several capacities at Penn State Beaver, most recently as director of university relations. She joined the campus in 1980, when she was appointed coordinator of the Brodhead Cultural Center, the



Amy Krebs

campus' outdoor performing arts facility. She has served as the assistant director of university relations and has headed the campus' fundraising and development efforts, including the current Grant Destiny Campaign. In September the campaign reached the \$1 million mark, a milestone in the history of Penn State Beaver.

Krebs is a member of the Government Affairs Committee of the Beaver County Chamber of Commerce and the Allocation Panel of the United Way of Beaver County. She also serves on the Board of Directors of Homemaker-Home Health Aide Service of Beaver County Inc. and is a member of the Executive Women's Council.

Krebs holds a bachelor's degree in general arts, sciences and humanities from Penn State.

Beaver welcomes director of institutional advancement

Kathleen Katocs Corcoran has been appointed director of institutional advancement at Penn State Beaver.

Corcoran will be responsible for overseeing all fundraising and development efforts. The campus is currently engaged in the Grand Destiny Campaign, which is designed to raise \$1.5 million for student scholarships, academic programs and faculty support at Penn State Beaver. She also will be involved in coordinating campus marketing efforts.

Corcoran previously served as the director of development and community relations for Mars Home for Youth in Mars, Pa. She also has worked as a division director for Unit-



Kathleen Katocs Corcoran

ed Way of Allegheny County, where she managed accounts totaling \$4.5 million. In addition, Corcoran has been director of partner relations and regional services for United Way of Southwestern Pennsylvania, where she coordinated the fundraising partnership of United Way of Allegheny, Beaver, Green, Washington Counties, and the Mon Valley. Corcoran also held several positions with Westinghouse Electric Corp.

Corcoran holds a bachelor of arts degree in sociology from Indiana University of Pennsylvania and a master of science degree in communication from Clarion University of Pennsylvania.

Intercom reminder

Due to the Thanksgiving holiday, there will be no *Intercom* on Thursday, Nov. 23. Also due to the holiday, the deadline for the Nov. 30 issue is Nov. 20, two days earlier than normal.

The final issue of the calendar year will be Dec. 7. *Intercom* will

resume publication on Thursday, Jan. 18. Deadline for that issue is Wednesday, Jan. 10.

For a complete list of *Intercom* publication dates and deadlines, check the Web. Log in to <http://www.psu.edu/INTERCOM/> and click on the link to deadlines.



Focus on Research

Researcher patents new portal that is able to detect explosives

BY BARBARA HALE
Public Information

A researcher has patented a new explosives detection device similar in appearance to the metal detection portals passengers are asked to step through at airports. The inventor, Gary Settles, professor of mechanical engineering and director of the Gas Dynamics Laboratory, said the new portal also potentially could detect trace amounts of illegal drugs as well as chemicals that can be used in weapons, bombs or other contraband.

The portal samples the "human thermal plume," a layer of warm air that surrounds and ascends from a person's entire body. The air in the plume, heated by the skin, rises naturally from the ankles, legs and torso, creating a boundary layer that moves constantly upward and flows off the top of the head and shoulders. The plume carries in it microscopic flakes of a person's skin and other particles, bearing trace amounts of the materials with which the person has been in contact.

The thermal plume moves constantly upward and every surface of the body contributes to it. So, no matter where a person tried to conceal explosives or other contraband, traces would appear in the buoyant airstream that eventually rises above the body in the thermal plume. Normal clothing does not significantly interfere with the process.

"We think of this approach as an elegant natural solution to the problem of sampling airborne trace materials from the human body," Settles said.

Right now, a breadboard portal, developed with and built by Ion Track Instruments of Wilmington, Mass., can perform an analysis in 10 seconds, he said. When a person steps into the portal, a blower at the top pulls the thermal plume into a funnel where it contacts a special trap that collects the particles in it. Any vapors from the plume also condense there. The



Gary Settles, professor of mechanical engineering and director of the Gas Dynamics Laboratory, stands with the portal he invented.

Photo: Greg Grieco

trapped material is then analyzed by Ion Track's patented ion trap mobility spectrometer. Explosives and other chemicals that contain nitrates are detectable, and the device differentiates among a variety of explosives.

Combining the portal with a metal detector would enable airport employees to check passengers for bombs

and explosives at the same time that they are being checked for guns and knives.

Settles also is exploring the potential to use the portal as a non-intrusive test for diabetes, gangrene, some skin disorders, tuberculosis and some cancers based on biological signals sampled from the human thermal plume.

Hershey made primary site to test heart valves

The Milton S. Hershey Medical Center will serve as the primary site in the United States, Canada and the United Kingdom to issue certain patents with the Björk-Shiley Convexo-Concave (BSCC) artificial heart valves manufactured by Shiley Inc.

Between 1979 and 1986, about 86,000 BSCC valves were implanted worldwide. A small percentage of these valves have developed tiny

cracks, which have led to valve failure. About 150 patients who are at high risk of valve failure, based on when it was manufactured and other data, are being contacted, said Ian Gilchrist, associate professor of medicine in the College of Medicine and a cardiologist at the medical center.

In addition to testing the valves and replacing them, if necessary, Gilchrist and his colleagues will test

to see how well the x-ray imaging techniques they are using can detect the cracks.

Hershey researchers have worked with BSCC valves for more than eight years, and Gilchrist said that this experience is why Hershey was chosen as the primary test site.

For more on this story by Leilyn Perri, check the Web at <http://www.hmc.psu.edu/news/pr/nov/110200.htm>.

FROM THE EXPERTS

Hormones, hunters put more deer on highways in fall

Motorists should be particularly wary of deer on the highways during the breeding and hunting seasons, said a wildlife biologist in the College of Agricultural Sciences.

"Bucks seem to lose their caution when breeding and run across roads without even thinking about traffic," said Gary San Julian, professor of wildlife resources. "Also, does being chased by bucks often don't heed roads. Then, on Nov. 27, nearly a million gun hunters will enter the woods and stir deer up even more."

Breeding season for white-tailed deer ranges from October to December but peaks in November.

For the full story, check the Web at <http://agininfo.psu.edu/news/september00/deer.html>.

Don't leave safety up in the air when hunting from above

In an effort to outsmart the elusive whitetailed deer, more and more Pennsylvania hunters are taking to the trees to bag their quarry, said a hunting safety expert in the College of Agricultural Sciences.

Earle Robbins, Tioga County extension director for Penn State Cooperative Extension and a certified hunting safety instructor, said hunting from tree stands can be more productive, but using them can be dangerous. Nationwide, about 10 hunters every year are killed in falls from tree stands, while many others suffer temporary or permanent injury.

For the full story, including a list of safety tips, check the Web at <http://agininfo.psu.edu/News/october00/stand.html>

Make sure young hunters know safety rules

Anyone taking a youngster hunting for the first time this year should make sure he or she understands some important safety rules, said Earle Robbins, Tioga County extension director for Penn State Cooperative Extension.

"New hunters, as well as those who have held a hunting license in another state or country, are required to complete a hunter-trapper education program. These individuals also need role models who practice safe hunting skills."

For the full story, including a list of safety tips, check the Web at <http://agininfo.psu.edu/News/october00/younghunter.html>



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Artist at work



Sculptor Eric W. Stephenson installs his latest show at the Robeson Gallery in the HUB-Robeson Center on the University Park campus. The exhibit is accompanied by a virtual exhibit on the Web, at <http://www.lunarburn.com/>.

Photo: Greg Gleico

MLK Day to include variety of activities

The University Park commemoration of Martin Luther King Jr. Day in January will have a different focus than in previous years. Organizers have chosen to use more resources to support activities and programs from participating student and administrative units on campus rather than centering the program around a keynote speaker.

The diverse schedule of events is highlighted by the annual Day of Service on Monday, Jan. 15. The Day of Service provides volunteer opportunities for students around scheduled classes. The day will culminate in an evening celebration for student volunteers in Rec Hall.

Also on the slate for the federal holiday will be the traditional Community Bell Ringing in the HUB-Robeson Center's Heritage Hall at 11:30 a.m., and the Forum on Black Affairs Banquet at the Penn State Conference Center at 6 p.m.

Bookending the weeklong celebration will be a theatrical production of "The Meeting," which details a fictitious meeting between Martin Luther King Jr. and Malcolm X at the Victoria Hotel in New York the night before Malcolm's assassination. Performances of "The Meeting" will be Friday and Saturday, Jan. 12 and 13, and Friday through Sunday, Jan. 19 to 21, in the HUB-Robeson Center's Heritage Hall. Show times will be announced soon.

MLK banquet set for Jan. 15

Focusing on a theme that all people on Earth are coinhabitants of a "World House," the Forum on Black Affairs will sponsor its 26th annual Martin Luther King Jr. Memorial Banquet at 6 p.m. Monday, Jan. 15, 2001, in President's Hall at the Penn State Conference Center Hotel on the University Park campus.

The theme comes from the title of the last chapter of King's final book, *Where Do We Go From Here: Chaos or Community?*, published in 1967.

A featured presentation during the banquet will be the 2001 Humanitarian Service Award. The award was created in 1985 to honor a person who has provided outstanding service to African-American citizens of Pennsylvania, especially at Penn State and in the Centre County region. Such service includes leadership of offices, programs or organizations that develop or implement policies impacting African Americans.

Nominations for this award are currently being sought. To nominate a candidate, submit a letter of not more than two pages in length that

describes the nominee's credentials and qualifications for the award, and attach any relevant supporting material such as newspaper or magazine articles. Nominations must be sent no later than Friday, Dec. 15, to W. Terrell Jones, vice provost for educational equity, 314 Old Main, University Park, Pa. 16802.

Also highlighting the banquet will be a theatrical offering related to civil rights and King's contributions to this movement, as well as the presentation of the Sterling Brown Memorial Scholarship, named for the professor, scholar and poet who had an impact on the lives of many of today's scholars and poets.

Tickets are \$22 for adults, \$12 for children age 12 and under, and \$250 for a reserved table of 10. All tickets will be issued on a first-come, first-served basis. A portion of the cost for each table will go toward the Forum on Black Affairs Scholarship Fund.

Tickets may be obtained at the HUB-Robeson Center or by contacting Sam Williams at (814) 865-9523 or SamWill@psu.edu.

More information on Martin Luther King Jr. Day events will appear in

future issues of *Intercom*, or check the Web at <http://www.equity.psu.edu/mlk>.



Intercom

INFORMING THE PENN STATE COMMUNITY

NOVEMBER 16, 2000

Students comply with request to cease illegal use of software

By HEATHER HEZOG
Computer and Information Systems

The University's recent message to all faculty, staff and students urging the cessation of illegal use of Web-based programs (such as the well-publicized Napster) has had a very positive impact, according to University officials.

The notice, delivered on Sept. 21, was sent via e-mail to all computer account holders at the University to clarify the definition of illegal network use and detail the consequences of such actions. In the message, Rodney Erickson, executive vice president and provost, stated that although the University has not banned Napster or the legitimate use of

it and similar software, Penn State "has an obligation to ensure that its networks and computers are not used to violate the law or University policy." Using the software to download music and other copyrighted material without the owner's permission is a violation of both of these, according to the notice.

"In general, we've found that there's

been high support for Penn State's action," said Gary Augustson, vice provost for information technology. Most people understand that their compliance will benefit not only them, but the entire Penn State community."

Augustson added that although copy-

Comply, page 2

Now is the time to plan for bad weather

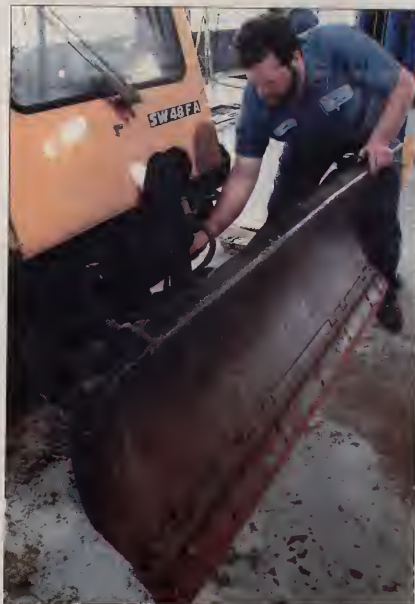
Predictions of winter weather vary widely this year, but there is no reason to be confused when it finally comes. WPSU-FM, the University's public radio station, will have the official word for University Park.

"Severe winter weather could mean class and office delays or cancellations. Now that WPSU is well-established as our winter weather message center, we can make one call to WPSU and know that we are getting the message out to nearly all employees and students at one time," said Thomas Harmon, director of University Police.

WPSU-FM — 91.5 in State College, Bellefonte, Lock Haven and surrounding areas; 90.1 in the northern counties — also is on the Web at <http://www.wpsu.psu.edu/> and is a good alternative for those who live outside the WPSU listening area. The official weather word also will be available on the emergency number at (814) 865-4000. For a list of WPSU station frequencies, go to <http://www.wpsu.psu.edu/about.html>.

Subscribers to AT&T Cable Television in State College and Bellefonte can hear WPSU radio on C-Net, Channel 7, between regularly scheduled programs.

But even when class and office delays or cancellations are announced, the University Park campus never really closes — students and hotel guests still need to be fed; research projects and essential services need to continue; and farm animals need care. In addition, University Police and both The Nittany Lion Inn and The Penn State Conference Center Hotel always are open.



Jay Shook, an employee in the Office of Physical Plant service garage on the University Park campus, checks connections on a plow used to clear snow from sidewalks and parking areas. When winter weather comes, tune into WPSU-FM for the official word on University Park cancellations or delays. Those outside the listening area can call (814) 865-4000 or check <http://www.wpsu.psu.edu/> on the Web.

Photo: Greg Gricco

BITS introduces new training opportunities to University staff

By APRIL SHENINGER
and HEATHER HEZOG
Computer and Information Systems

To aid the University in carrying out its commitment to professional development, the Center for Academic Computing (CAC) recently launched a pilot program called Building Information Technology Skills and Beyond (BITS) — an initiative that will use Web-based instruction to help fill the need for technical skills training University-wide.

Designed to enable staff members to learn information technology skills via the Internet, BITS will use more than 650 free Web-Based Training (WBT) tutorials the CAC now provides to faculty, staff and students. In addition, the program will enable supervisors to use Web-based tools to develop "learning plans" for their employees that can be tailored to the needs of both the department and staff member.

According to project developers, the incentive for creating the professional development initiative came about for several reasons. Acquiring new technological skills (and improving existing ones) has become increasingly important to individuals working at the University, yet professional development budgets within departments are becoming tighter, said John Harwood, director of Educational Technology Services and one of the primary BITS architects.

"The BITS program is one way to build technology skills at little cost to the department."

Moreover, since staff members are encouraged to incorporate the Web-based training tutorials into their Staff Review and Development Plan as a viable form of professional development, the program may be an effective way to help enhance University career assistance efforts, according Billie Willis, assistant vice president for Human Resources. Providing

BITS, page 2

BITS

Continued from page 1

development opportunities for all University faculty and staff is a challenge in an organization as large and distributed as Penn State, she said.

"Learning preferences, varying schedules and workload limit some of us from developing new or enhancing existing skills. Since the BITS tutorials are accessible via the Web, opportunities for learning any level of technology skill from anywhere and at any time are possible with this program."

Harwood, who is actively seeking participants for the program, adds that Undergraduate Education has been the first department to test-drive the pilot version. These initial participants have had access to a variety of learner support features, in addition to some of the more advanced Web-based training technologies available at Penn State, according to BITS creators.

For example, a learning commitment form and accompanying guide help department supervisors and staff members set goals as well as terms of training — and listservs, chat rooms, learning communities, e-mail and face-to-face training sessions help support the staff member's instructional interests according to his or her professional development needs.

"The University strongly recommends that all students buy a computer with them to Penn State — and we also emphasize the integration of



Staff member Luanna Howard and William Farnsworth, Office of Undergraduate Information and Communications director, examine skills development options at the new BITS Web site.

technology in the classroom. It is only fitting that those who work in Undergraduate Education model the behavior that technological skills are important," said John Cahir, vice provost and dean for Undergraduate Education. "I

believe that our staff needs to actively take responsibility to update their technology skills. The Web-based tutorials are a convenient and effective means to address that need."

Cutting-edge technology also will

help strengthen the participant's skills development, since the CAC upgraded both the hardware and software components of the Web-Based Training system in August. With the upgrade, there are new options for individuals to use the Web tutorials to learn a wider variety of technology skills. In addition, an audio component added to many tutorials and faster access speed to the WBT site enhance the overall training experience.

"In the future, we envision that participating in BITS will be a very common experience for staff members at Penn State," said Harwood. "I think many people will be pleasantly surprised that Web-based instruction can make a greater range of career development choices available to them."

The CAC is searching for additional departments to join the pilot of the BITS program and provide feedback to help shape the future of this and other WBT programs. Similar information technology training programs for students currently are under development and are expected to be ready before the end of the year.

To participate in BITS and Beyond, call April Sheninger at (814) 863-7768. To learn more about the program, check the Web at <http://wbt.cac.psu.edu/bits/>

Comply

Continued from page 1

right infringement is an extremely critical issue, it is not the only reason individuals are responding positively to the University's request. Community awareness is growing that those who perform illegal downloads also can significantly reduce Internet bandwidth for fellow students and staff members.

"These heavy downloads can potentially overload the University network, making it more difficult for legitimate users to access e-mail or use the Web as a research tool," he said. "So Penn State has been working to raise awareness of both copyright and bandwidth concerns."

After the e-mail notice went out, the University's monitoring efforts detected that there was still some network activity that appeared consistent with heavy downloads — indicating that some students may not have been in compliance with the request. More than 100 students identified as possible violators were asked to verify that their activities on the University network were of a legal nature. All students notified complied with this request. However, officials plan to continue to monitor the University's networks for any future misuse.

"Many people just don't realize how serious this issue is," Russell Vaught, senior director of the Center for Academic Computing (CAC), said. "An individual who participates in copyright infringement is subject to civil — and in some cases criminal — penalties. It's really not much different than walking out of a store with a CD in your pocket that you haven't paid for."

Several recent national events underscore the University's concern about copyright violation. For example, last year a University of Oregon student was sentenced by a federal judge to two years' probation and limited access to the Internet, after pleading guilty to charges that he had illegally distributed copyrighted

"It will take some time to sort all of this out in a way that balances institutional requirements for scholarship and the goal of an open community that values free expression."

Russell Vaught, senior director
Center for Academic Computing

materials using the campus computer network. As the first person to be charged under the 1997 No Electronic Theft Act, the student faced a penalty of up to three years in prison and up to \$250,000 in fines, depending on the value of the copyrighted material he distributed.

In a similar case, campus police officers at Oklahoma State University seized a computer from a student who was accused of distributing copyrighted music this September. The incident occurred after the Recording Industry Association of America (RIAA) faxed a complaint to the University network security officer about the large volume of music and movies that were being disseminated via the institution's network.

The fact that applications like Napster have the potential to use large portions of the University's network is an equally troubling concern, added Vaught, since network capacity is very expensive and must compete with other legitimate uses for the same funds.

"The trade-off between institutional use for items like education, research, and administration versus essentially private use (for downloading music and other items via software like Napster) is one that poses

a real dilemma for the University," he said. "It will take some time to sort all of this out in a way that balances institutional requirements for scholarship and the goal of an open community that values free expression."

As the complexity of the copyright issue grows, recording companies and Internet distributors alike are beginning to search for new ways to make legitimate Web-based distribution of music and other copyrighted material possible. Several recording companies have been working with the RIAA and various technology firms on a project called the Secure Digital Music Initiative (SDMI), in an effort to set up specifications for secure music downloads online and onto portable devices.

In addition, the recent decision of the German entertainment conglomerate Bertelsmann AG (BMG) to settle with Napster out-of-court and form a business partnership, points to the possibility of collaborative solutions.

Augustson believes initiatives such as these ultimately may resolve the copyright issues institutions face today — but for now the University will need to remain vigilant.

"The recent announcement that BMG and Napster reached an agreement does not change the fact that copyright infringement is illegal," he maintains. "It does, however, indicate that this technology has great potential for the distribution of music and other media — a key reason why Penn State didn't block Napster outright, as some other universities have. With legitimate use of this technology, publishers can reduce the cost to the consumer while providing income to artists, so that they'll be able to continue producing new material. Everybody wins when that happens."

To learn more about Penn State's copyright policies, check the Web at <http://www.psu.edu/ur/copyright.html> or <http://cac.psu.edu/policies/>.

Lectures

New York Times writers will discuss Race in America series

On Monday, Nov. 27, Amy Harmon, Steven A. Holmes and Tamar Lewin, three reporters from *The New York Times*, will visit University Park to discuss a series of articles on "How Race is Lived in America," which the paper ran over the summer.

The discussion, co-sponsored by the College of Communications and *The New York Times*, will be held from 2:30 to 3:45 p.m. in the HUB-Robeson Center Auditorium, and is free and open to the public. A public reception will follow.

Course portfolios workshop set for Nov. 17

Barbara Cambridge, vice president for programs and director of the Carnegie Academy Campus Program of the American Association of Higher Education, will present a workshop on course portfolios from 1:30 to 4:30 p.m. Friday, Nov. 17, in the Gold Room of Pollock Commons on the University Park campus.

Cambridge's presentation and workshop, sponsored by the Teaching and

low from 4 to 6 p.m. in the HUB-Robeson Center Ballroom.

A year ago, the *Times*' editors decided to spend a year looking at issues of race in America. The paper sought to move beyond the discussions of Civil War flags and racial profiling to take on more subtle issues that pervade everyday existence in such arenas as the workplace, churches and schools.

The series culminated in 15 front-page feature articles run in June and July.

Learning Consortium, will highlight the course portfolio, a more focused version of the teaching portfolio that records the unfolding of a single course from conception to results. Cambridge is professor of English and associate dean of the faculties at Indiana University Purdue University Indianapolis.

For reservations, call the Teaching and Learning Consortium at (814) 865-4442 or e-mail tlc@psu.edu.

Adolescent research and policy issues to be addressed at mini-conference

The Children, Youth and Families Consortium (CYFC) will hold a working mini-conference on the topic of "Cutting-Edge Issues in Adolescent Research and Policy" from 10 a.m. to 3 p.m. Nov. 28 at the Penn State Conference Center Hotel on the University Park campus.

The consortium aims to spark brainstorming and intellectual discussion among researchers from different departments and colleges across the University to generate "hot topics" that the University might be poised to

address in the arena of adolescent research and policy.

By involving faculty from different departments in interdisciplinary discussions about current and new research initiatives, the consortium hopes to promote new research networks focused on developing innovative study proposals and targeting cutting-edge issues in adolescent research and policy.

For more information, call (814) 865-3876 or e-mail cyf@psu.edu. For information about the consortium, check the Web at <http://www.cyfc.psu.edu/>

Leader in experimental economics to speak

An internationally known leader in economics and political science will deliver the inaugural presentation for a new speaker series in The Smeal College of Business Administration.

Charles R. Plott, Edwin S. Harkness professor of economics and political science at the California Institute of Technology, will discuss "Markets as Information Gathering Tools" during the Smeal Seminar Series at 1:30 p.m. Monday, Dec. 4, in the Board Room of The Nittany Lion Inn on the University Park campus. The series, which will take place once each

semester, brings leaders in business and academia to the University Park campus. The event is free to the public.

Plott also is director of the California Institute of Technology's Laboratory for Experimental Economics and Political Science. He pioneered the use of laboratory experimental methods in the early 1970s. His research has led to innovative developments in the field of electronic auction markets, and to some of the most fundamental discoveries in economics and political science.

Weather

Continued from page 1

Last year was a fairly mild winter and the University Park campus canceled classes only twice.

"Some of the factors in the University's decision to delay or cancel activities differ from those considered by area public schools," Harmon said. "While we both are concerned about road conditions for buses and commuting employees, the school districts also need to be concerned about the health and safety of children getting to and waiting for school buses. Most students at University Park live on or close to campus, but in addition to road conditions, we need to be concerned about the availability and condition of our parking lots."

As soon as the decision is made to change class and office schedules, that information goes to WFSU station Manager Roy Gerritsen or Assistant Manager Steve Shipman for immediate broadcasting. If necessary, WFSU, which is on the air 24 hours a day, will begin live broadcasting earlier than its usual start time of 5 a.m. and will interrupt regularly scheduled programming to give periodic updates throughout the day or night.

Employees in essential services and operations are expected to report for work in most circumstances, and should contact their supervisor soon — before winter weather strikes — with any questions they may have about their status.

Employees also should review "Handling Weather Day Absences," Human Resources Guide line 10, on the Web at <http://www.ohr.psu.edu/policy/hrg10.cfm> for specific information on how time missed is handled.

Form is everything



Gwyn Fawcett, left, an instructor in movement for theatre, lends a hand to student Mallory McClure as she works on her form for one of the exercises she needs to learn.

Photo: Greg Grieco



Awards

Assistant professor wins NSF early career award

Ali Memari, assistant professor of architectural engineering, has received a grant from the National Science Foundation's Faculty Early Career Development Program. The program is designed to help scientists and engineers develop their research and teaching simultaneously as their careers get under way.



Ali Memari

The base amount of the grant is \$200,000. In addition, the foundation will provide an additional \$25,000 per year provided equal matching support is obtained from a CAREER eligible source in industry. By the end of the fourth and final year, the grant can total

\$300,000 from the NSF plus \$100,000 from industry.

Memari's NSF research will focus on the development of seismic isolation systems for nonstructural walls in buildings. Such systems may help minimize costly property damage by lessening the interaction between the structural and nonstructural components of a building during an earthquake.

Memari began working at Penn State in 1995 as a visiting professor in the civil engineering department. In 1998 he joined the architectural engineering department faculty.

Associate professor earns C.I. Noll Award for Excellence

Simon Taverner, associate professor of mathematics, has been selected as the winner of the C.I. Noll Award for Excellence in Teaching.



Simon Taverner

Sponsored by the Eberly College of Science Student Council and Alumni Society, the award represents the highest honor for undergraduate teaching in the college. The winner is chosen by a committee of students and faculty from nominees suggested by students, faculty and alumni. The award includes a monetary grant and the inscription of Taverner's name on a plaque alongside previous winners of the award.

Taverner has taught a broad range of mathematics courses for students in both science and nonscience majors. His recent teaching responsibilities have included advanced calcu-

lus courses for science majors, a two-semester sequence on numerical analysis for computer-science and mathematics majors, and a similar one-semester course for a broad range of majors. In addition, he has taught differential-calculus and integral-calculus courses as well courses focused on ordinary and partial equations.

According to Gary Mullen, head of the Department of Mathematics, Taverner has made a "huge impact" in the area of calculus instruction, developing multiple sets of physical experiments that allow small-group instruction and an opportunity to obtain data that can be analyzed as part of the course work. Student reviews regularly rate Taverner's methods as effective and engaging.

Professor in Smeal College named a Fulbright distinguished chair

The J. William Fulbright Foreign Scholarship Board has selected Christopher J. Muscarella for the Fulbright Flad Chair award at Portuguese Catholic University in Lisbon Portugal in Spring 2001.

Muscarella is professor of finance and the L.W. "Joel" and Mary Jo Clark Teaching Fellow in The Smeal College of Business Administration. He will join the ranks of some 225,000 distinguished scholars and

professionals worldwide who are leaders in the educational, political, economic, social and cultural lives of their countries.

Awards in the Fulbright Distinguished Chairs Program are viewed as among the most prestigious appointments in the Fulbright Scholar Program.

Muscarella's teaching interests center on corporate finance and he has won seven excellence in teaching

awards from the Master of Business Administration students at Penn State. His current research interests include underpricing of initial public offerings, limited partnerships, venture capital, the price impacts of block trades and market microstructure.

He is an associate editor of *The Journal of Financial Research* and a former director of the Financial Management Association.

APPOINTMENT

Commonwealth College names IST program head

Richard F. Dempsey, assistant professor of computer science and engineering at Penn State Worthington Scranton, has been named information sciences and technology program head for the Commonwealth College effective January 1, 2001.

Dempsey will provide disciplinary guidance and advice to the college's associate deans as well as the directors of academic affairs at the college's 12 campus locations.

Dempsey also has been appointed to a two-year term as chairman of the School of IST's Baccalaureate Degree Curriculum Committee. The committee is primarily responsible for reviewing and approving proposed changes to the IST baccalaureate degree program before those changes are submitted to the Faculty Senate.

Dempsey has taught at Penn State since 1972. He has served as coordinator of the IST program at Worthington Scranton; the campus' associate degree program in computer science; and the management information systems options of its associate and baccalaureate business degree programs. Dempsey also serves as a member of the IST Minor Committee.

Proposed west campus plans presented to public

Plans for the evolving west campus were unveiled to the public last Thursday, giving community members a glimpse into the future of the changing University Park landscape.

The presentation was given by Eliza Pennypacker, director of campus planning and design. She highlighted how the draft plan encompasses the five major factors considered by designers: pedestrian safety; transportation and traffic; the new School of Information Sciences and Technology (IST) building; connection of west campus to the main area of the campus; and emulation of the best structural and landscape designs of the main campus.

An important component of the design is the IST building, which is proposed to serve a dual purpose as a safe

pedestrian crossing of Atherton Street and a connector between the main and west portions of the campus. Architects propose a functional, inviting pedestrian walkway over the current intersection of Pollock Road and North Atherton Street that not only links two wings of the building, but also both the main and west campuses at University Park.

Another important proposal of the plan is a new west entrance to the campus. Because the proposed IST building would occupy Pollock Road between Burrows and Atherton streets, the designers propose a new entry just north of Rec Hall.

The roadway would preserve the wooded area between Rec Hall, the Nit-

tany Lion Shrine and The Nittany Lion Inn, and would provide a stately campus access that will link with Burrows and Curtin Roads.

The new entrance, IST building and a family/graduate housing community all are proposed for phase I of the project slated for construction from late 2001 into 2003. Long-term plans call for a new parking garage on the west campus, as well as approximately 500,000 gross square feet of new academic space. Two new east-west and two north-south roadways also are proposed to traverse the 79-acre complex.

The plan will be posted on the Office of Physical Plant Web site at <http://www.opp.psu.edu/> in the coming weeks.

Civil engineering professor awarded \$1.7 million grant

Paul J. Tikalsky, associate professor of civil engineering, has received a \$1.7 million grant from a consortium that includes the Department of Energy, General Motors, the American Foundrymen's Society, Process Recovery Corp., Badger Mining and other state foundry associations.

The grant will fund a project titled "Development of Technical Data to Validate Performance of Foundry Byproducts in Control Low-Strength Material and Hot-Mix Asphalt" and is part of DOE's "Industries of the Future" initiative.

Tikalsky's research will focus on the technical barriers associated with recycling foundry byproducts. Currently, reuse of foundry sands and slags in engineered applications,

such as highway and utility construction, is limited due to a lack of technical documentation. Tikalsky will develop specifications and performance data for reusing foundry byproducts in asphalt concrete and backfill materials.

Tikalsky estimates that 8 million tons of foundry sands and slags could be available for reuse annually, resulting in substantial energy and cost savings and reducing environmental impact for both foundries and user industries.

Collaborating with Tikalsky on the project are Hussain U. Bahia, assistant professor of civil engineering at the University of Wisconsin at Madison, and Elizabeth Olenbusch, director of Foundry Industry Recycling Starts Today (FIRST).



University Park Calendar

November 17 - November 30

SPECIAL EVENTS

Friday, November 17

Julius Caesar by William Shakespeare,
8 p.m. Nov. 17 through Dec. 2,
2 p.m. matinee Dec. 2, The Playhouse.
For tickets, call (814) 863-0255.

"One Life: The Rachel Carson Project,"
multi-media performance, 7 and 9 p.m.,
HUB-Robeson Center Heritage Hall.

Saturday, November 18

Penn State Tailgrest.
The Bryce Jordan Center.

MUSIC

Friday, November 17

Sandorama 2000, 8 p.m., Eisenhower Audi-
torium. For tickets, call (814) 863-0255.

Sunday, November 19

The Women's Choral, 4 p.m., Recital Hall.
Tickets will be sold at the door.

Tuesday, November 21

The Philharmonic Orchestra, 8 p.m.,
Eisenhower Auditorium. For tickets, call
(814) 863-0255.

Sunday, November 26

A concert commemorating the 250th
anniversary of J.S. Bach's death, with
James Lyon and In-Kyu Kim, 3 p.m.,
Recital Hall.

Thursday, November 30

The Penn State Flute Ensemble, Eleanor
Duncan Armstrong, director, Bach's
Lunch concert, 12:10 p.m., Eisenhower
Chapel; and 8 p.m., Recital Hall.

SEMINARS

Friday, November 17

Mike Farabelli on "Straight Talk about
Marketing Careers," three interactive
lectures, 9 to 10 a.m.; 10:15 to
11:15 a.m.; and 1 to 2 p.m.; Foster
Auditorium, Pattee Library. Concurrent
tours of the Schreyer Business Library
from 8:30 a.m. to 3 p.m.

Luca Bombelli on "Statistical Geometry
and Semi-Classical States in Quantum
Gravity," 11 a.m.,
318 Osmond Laboratory.

Merideth Humphries on "Expression of a
Dopamine Receptor in the Honey Bee
Brain that is Associated with Temporal
Polyethism," 11:15 a.m.,
201 Borland Laboratory.

"An Integrated Environment for Geographi-
cal Visualization, Knowledge Discovery
and Analysis: Introducing Geo-
VISTA Studio," 4 p.m., 301 Steldie.

Saturday, November 18

Fred Gadomski on "Weather in the New
Millennium — A Story of Surprise and
Intigue," 9 a.m., The Nittany Lion Inn.

Monday, November 20

Sean Carroll on a subject to be
announced, 2:30 p.m.,
318 Osmond Laboratory.

Tuesday, November 21

Eric Novak on a subject to be
announced, 3:30 p.m.,
318 Osmond Laboratory.

Jeremy Levy on "Mesoscopic Microwave
Dispersion in Ferroelectric Thin Films,"
3:30 p.m., 339 Davey Laboratory.

Christopher D. Still on "Advances in the
Understanding and Treatment of Dbe-
sity," 4 p.m., S-209 Henderson.



Attress Dylan Hundley readies herself as the film crew prepares to shoot a scene from "A Holiday Affair." The film was written, directed and produced primarily by Penn State faculty, students and alumni. This free film will be shown at 7:30 p.m. Nov. 17 in 113 Carnegie Building on the University Park campus.

Monday, November 27

Marek Cieplak and Jayanth Banavar on a
subject to be announced, noon,
330 Davey Laboratory.

Amy Hammon, Steven A. Holmes and Tamar
Levin on "How Race is Lived in Ameri-
ca," 2:30 to 3:45 p.m.,
HUB-Robeson Center Auditorium.

Tuesday, November 28

Frank Stillingar on "Glasses, the Third Law of
Thermodynamics and the Kauzmann
Paradox," 10 a.m.,
140 Fenske Laboratory.

Mark Hill on "Childhood Conditions Predic-
ting Survival to Advanced Age," noon,
406 Oswald Tower.

Zlatko Tesanovic on a subject to be
announced, 3:30 p.m.,
339 Davey Laboratory.

Joel Moss on "ADP-Ribosylation," 4 p.m.,
S-209 Henderson.

Wednesday, November 29

Rosemary C. Polomano on "The Relationship
of Age to Pain Outcomes and Quality of
Life in Persons with Advanced Cancer,"
noon to 1 p.m., 108 Wartik Laboratory.

Yan Wang on "Molecular Characterization of
the Self-Incompatibility (S) Locus in Petu-
nia Infata," 12:20 to 1:10 p.m.,
10B Tyson.

Stan Roklin on a non-destructive evaluation
topic, 3:35 p.m.,
114 Earth-Engineering Sciences.

Thursday, November 30

Gene Melander and Bill Curley, strategy map-
ping dialog, 9 to 10:30 a.m.,
Alumni Lounge, Old Main.

Sergei N. Khrushchev on "The Russian Road
to Capitalism," 11:30 a.m. to 1 p.m.,
Ballroom, The Nittany Lion Inn.

Henry C. Foley on "Nanoporous Carbon Mo-
lecular Sieves: Structure, Transport and
Catalytic Properties (or How Inorganic
Chemistry Becomes Chemical Engineer-
ing)," 12:15 p.m.,
S5 Osmond Laboratory.

"HIV Prevention Update: Men Who Have Sex
with Men," satellite broadcast,
1 to 3 p.m., Studio D, Mitchell.

EXHIBITS

HUB-Robeson Center

"Matters of Mind, Perceptions of the Natural
World," drawings and collages by Susan
Personage, ceramics by Christopher Sta-
ley, through Dec. 3.

"Historic Synagogues of Turkey, Photographs
and Architectural Drawings,"
through Dec. 3.

"Portals and Paths," sculpture by Eric W.
Stephenson, through Dec. 6.

Handmade original dolls by Marilyn
McPherson, through Dec. 10.

"Crossing the Threshold: Elder
Stateswomen of American Art,"
through Dec. 9.

Kern exhibit area

"The DeForest Collection of Folk Pottery
from the Matson Museum of Anthropol-
ogy," through Dec. 7.

"Germany: Divided and Reunited, 50 Years
of Post-War German History,"
through Nov. 30.

"Zen Mind, Zen Art," through Dec. 13.

"Tweedle Beetle Ballyho," mixed media
boxes by Jennifer Philippoff,
through Dec. 13.

North Halls exhibit area

"Hooked," by David Van Nguyen, oil paintings,
through Dec. 10.

Palmer Museum of Art

"From Nature to the City: American Modern
Works on Paper," through Dec. 10.

"Old Master Prints and Drawings from the Per-
manent Collection," Special Exhibitions
Gallery I, through Dec. 10.

"Master Drawings from the Collection of
Alfred Moir," Special Exhibitions Gallery II,
through Dec. 10.

"An Interlude in Giverny: The French Cheva-
lier," by Frederick MacMonnies,
through Feb. 25.

Pattee Library

"Faces of Children," 1D9 Pattee,
through Jan. 3.

"Maps and Images of World War II," by Der-
rick Beckler, through Jan. 3.

Ritterhouse exhibit area

"Women First" photographs following the jour-
neys of 16 HIV-positive women,
through Dec. 6.

West Halls exhibit area

"The Digital Photography Studio," student
exhibition, through Dec. 1.

For a full listing of University Park activities,
including sporting events, go to the Web at
<http://campus.psu.edu/calendar/>. For a detailed
listing of upcoming Conference and Institutes
conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Arts & Entertainment

Bandorama

Bandorama 2000 will take place at 8 p.m. Friday, Nov. 17, in Eisenhower Auditorium on the University Park campus. The entire Blue Band, Blue Band silks, Touch of Blue, feature twirler Bobbie Joe Solomon and drum major Kenny Krott will appear on stage as part of the annual spectacle.

Before the Blue Band's performance, the Symphonic Band will perform a short concert. The Blue Band will then perform, recreating its famed Beaver Stadium pre-game entrance using the aisles and stage of Eisenhower Auditorium. The marching band program will include Penn State school songs, music from the 2000 season halftime shows, and stadium favorites.

Reserved seat tickets are available by calling the Eisenhower Box Office at (814) 863-0255 or The Bryce Jordan Center Ticket Office at (814) 865-5555. Tickets are \$15 for adults, \$10 for students and \$5 for students under 12. Groups of 20 or more will receive a 20 percent discount.

Film screening

An award-winning film produced by University faculty, students and alumni will have a special screening at University Park Friday, Nov. 17. The film will be shown at 7:30 p.m. in the Carnegie Cinema, 113 Carnegie Building. Admission is free.

"A Holiday Affair," written and directed by Rod Bingaman, film lecturer, and produced by Maura Shea, film lecturer, and alumna Emily Kalreider, recently won the audience award for Best Feature Film at the Brooklyn Film Festival.

Women's Chorale

The Women's Chorale will present a fall concert at 4 p.m. Sunday, Nov. 19, in the School of Music Recital Hall on the University Park campus.

Tickets are \$4.50 and \$2.50 and will be sold at the door before the performance.

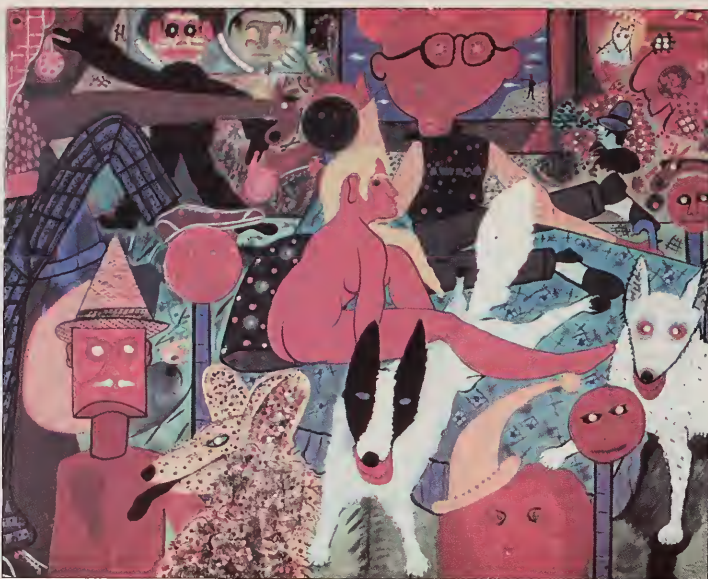
Philharmonic Orchestra

The Philharmonic Orchestra will present a concert at 8 p.m. Tuesday, Nov. 21, in Eisenhower Auditorium on the University Park campus. During the concert, Marylene Dosse, professor of music, will perform a piano solo.

Tickets are \$4.50 general admission, \$2.50 for students and are available at the door before the performance or by calling the Arts Ticket Center at (814) 863-0255.

Remembering Bach

A concert commemorating the 250th anniversary of J.S. Bach's death will be given at 3 p.m. Sunday, Nov. 26, in the School of Music Recital Hall on the University Park campus. James Lyon, associate professor of music, and In-Kyu Kim, visiting professor of music



Private Lives, an acrylic on canvas by Roy De Forest, is on display as part of the "Personal Visions: Recent Gifts from Joseph D. and Janet M. Shein" exhibit at the Palmer Museum of Art on the University Park campus. The exhibit is on display through Jan. 28, 2001.

from Cheju University in South Korea, and The Lyon Family Chamber Players will perform.

The concert is free to the public.

Flute Ensemble

The Penn State Flute Ensemble, directed by Eleanor Duncan Armstrong, associate professor of flute, will present a program of chamber music for flutes for the Bach's Lunch concert at 12:10 p.m. Thursday, Nov. 30, in the Helen Eakin Eisenhower Chapel on the University Park campus. Christina Andrae, graduate teaching assistant in flute, also will conduct the 11-member group.

After the Bach's Lunch concert, audience members may take their bag lunches to the Roy and Agnes Wilkison Lounge in Eisenhower Chapel. Coffee and tea will be provided.

The ensemble also will perform a free concert at 8 p.m. Thursday, Nov. 30, in the School of Music Recital Hall on the University Park campus.

Philadelphia Brass

The Philadelphia Brass will perform at noon Dec. 4 in the Atrium at Penn State Lehigh Valley, and at 7:30 p.m.

Dec. 4 in the Perkins Student Center Theatre, Penn State Berks.

Since its inception in 1988, the Philadelphia Brass has been committed to creative programming and virtuoso performances. The ensemble has released three CDs and has toured England and the United States extensively.

Admission is free to the public. For more information, call Brian Mauro at Penn State Lehigh Valley at (610) 285-5021 or Jeff Wakeman at Penn State Berks at (610) 396-6068.

Holiday concert

The newly-formed Penn State New Kensington Community Orchestra, composed of musicians from both the campus and the Alle-Kiski community, will make its debut in a "Classic Holiday Concert" at 2 p.m. Sunday, Dec. 3, in the campus theatre.

The concert will feature traditional and contemporary Christmas music, and will be highlighted by performances of orchestra soloists. The Penn State New Kensington Choir also will offer classic renditions of holiday music.

The event is free to the public. For more information, call (724) 334-6063.

Choir at New Kensington

The Penn State University Choir will make an appearance on the Penn State New Kensington campus for its "Holiday Concert" at noon Wednesday, Dec. 6, in the campus theatre.

The University Park choir will be accompanied by a local musical combo featuring Roberta Brenninghouse of the Penn State New Kensington adjunct faculty, and will perform traditional and contemporary Christmas music.

The event is free to the public. For more information, call (724) 334-6063.

Exhibit at New Kensington

Two artists, who are partners in an art academy although they work in very different mediums, will be featured in an exhibition at the Penn State New Kensington Art Gallery in December.

Cliff McGuire works in a number of media, including aluminum, concrete, wood, stone, clay, acrylic, oil, ink, pencil and charcoal. His partner at the Oakbridge Academy of Art, Tom Gallovich, is a photographer who also does wildlife paintings.



News in Brief

Memorial planned

On Nov. 21, 1999, a tragic bus accident claimed the lives of Penn State student Denise Orndorff and bus driver Robert Burge. In addition, many, many students were injured. As the one-year anniversary of this accident approaches, members of the University community will gather to celebrate the life of Denise Rae Orndorff.

With generous donations from family and friends, a Kousa Dogwood and bench have been placed outside Atherton Hall in her honor. A bronze plaque will be placed to dedicate these memorials to Orndorff.

A dedication ceremony and reception will be held at 1 p.m. Nov. 19 at the College Avenue entrance to Atherton Hall. The event is open to the public.

Donations are still being accepted in the Schreyer Honors College office in C-4 Atherton Hall, 10 Schreyer Honors College, University Park, Pa. 16802.

Reporters are topic of Spanier call-in

Our love/hate relationship with reporters will be the topic of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly call-in show airing at 7 p.m. on Tuesday, Nov. 21, on WPSU-FM (91.5, 106.7, 95.1, 90.1, 100.9 and 104.7) and simultaneously on WPSX-TV.

Spanier's studio guest will be Gene Foreman, Foster professor of communications and former deputy editor of *The Philadelphia Inquirer*. Joining the discussion by phone will be Steve Weinberg, Missouri School of Journalism professor and author of *The Reporter's Handbook and Trade Secrets of Washington Journalists*.

Listeners with questions or comments are encouraged to join the discussion by calling (800) 543-8242 during the one-hour simulcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ur/tech/tech.html>; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of national and local interest and to allow listeners a chance to communicate directly with Penn State's president.

Call Center holiday hours

The Penn State Call Center Services Office will be operating on limited hours during the Thanksgiving holiday and the winter break. Office hours for the Thanksgiving holiday will be:

- Wednesday, Nov. 22: 7 a.m. to 7 p.m.
 - Thursday, Nov. 23: CLOSED
 - Friday, Nov. 24: 8 a.m. to 5 p.m.
- Office hours for the winter break will be:
- Monday, Dec. 18, through Thursday, Dec. 21: 7 a.m. to 7 p.m.
 - Friday, Dec. 22, through Sunday, Dec. 31: 8 a.m. to 5 p.m.
 - Monday, Dec. 25: CLOSED
 - Monday, Jan. 1, 2001: CLOSED

The center's Call Handling and Message Phone Service (CHAMPS) will be available for departments needing telephone support during these breaks. Call the Audio Reservations Center at (814) 863-3410 or check the Web at <http://www.otc.psu.edu/services/staff/callcenter.asp> for information.



Diane Lapinski, left, and Margaret Kelly, of the American Red Cross, prepare to take blood from graduate student Dave Walsh. Walsh gave recently during the annual Penn State-Michigan State Blood Donor Challenge. The last drive of the challenge is 10 a.m.-4 p.m. Nov. 17 at the HUB-Robeson Center. Appointments are recommended. To schedule, call the Red Cross at (814) 237-2713 or e-mail ccblood@vicon.net.

Photo: Greg Gnecco

Intercom publication schedule

Due to the Thanksgiving holiday, there will be no *Intercom* on Thursday, Nov. 23. Also due to the holiday, the deadline for the Nov. 30 issue is Nov. 20, two days earlier than normal.

The final issue of the calendar year will be Dec. 7. *Intercom* will resume publication on Jan. 18, 2001. Deadline for that issue is Wednesday, Jan. 10, 2001.

For a list of *Intercom* publication dates and deadlines on the Web, go to <http://www.psu.edu/INTERCOM/> and click on the link to deadlines.

New process for students

University Housing has implemented a new, online process for requesting a Housing and Food Service Contract for University Park. The contract request process applies to current University Park resident students and students transferring from another Penn State location. University Park students who live off campus are ineligible for on-campus housing.

In the online process, students will submit a contract request during the six-week time period, from Dec. 4 through Jan. 14, 2001. Students may log on the contract request Web site from any computer using their student AccessID and password.

For information about the process, check the Web at <http://www.h/s.psu.edu/contractrequest.htm>; or call the Assignment Office for Campus Residences at (814) 865-7501.

United Way Campaign

As a result of the Student Affairs United Way 2000 fundraising special events, a total of \$2,913.50 has been raised. The breakdown follows:

- Smooch the Swine contest: \$197.75;
- Silent auction: \$1,034;
- Live auction: \$941.75; and
- Luncheon tickets \$740.

A final United Way fund-raising event is being planned by Student Affairs. Starting Monday, Nov. 20, and running through Friday, Dec. 8, The Penn State Bookstore will donate a percentage of all sales from receipts placed in United Way boxes at the store on the University Park campus.

For the Record

Some information was incorrect in a story on the back page of the Nov. 9 *Intercom* on the Forum of Black Affairs' annual Martin Luther King Jr. Memorial Banquet.

The banquet will be held at 6 p.m. Monday, Jan. 15, 2001, in President's Hall at the Penn State Conference Center Hotel on the University Park campus.

Tickets are \$25 for adults, \$12 for children age 12 and under, and \$275 for a reserved table of 10.

Tickets may be obtained at the HUB-Robeson Center on the University Park campus or by contacting Sam Williams at (814) 865-9523 or SamWill@psu.edu.

COURSES

Health Matters

To register for or learn more about this program on the University Park campus, call Health Matters at (814) 865-9085 or register online at

<http://www.ohr.psu.edu/webClassic/catalog/healthmatters.htm>.

■ Emotional/Mental — Dimension of Wellness — WEL 219

Learn how to restore or maintain well-being

even in the face of life's obstacles and discuss day-to-day ways to find some joy in living. Meets noon to 1 p.m. Wednesday, Nov. 29, in 125 Reber Building. Cost: \$5. This session is HealthAmerica HMO reimbursable.



Penn Staters

Parvez Ahmed and Sudhir Nanda, both from the School of Business Administration at Penn State Harrisburg, presented "Performance of Quantitative and Enhanced Index Mutual Funds" at the annual Conference of Financial Management Association International in Seattle, Wash.

John W. Bagby, professor of business law in the Department of Management and Organization in The Smeal College of Business Administration, has been named editor of *The American Business Law Journal's* upcoming special "Cyberlaw" issue. The journal is the top scholarly journal of the Academy of Legal Studies in Business, the international professional association for academic law faculty teaching law and ethics in business schools.

Jayanth Banavara, professor and head of the Department of Physics, has been elected a fellow of the American Association for the Advancement of Science. He has been selected for "the productive and imaginative application of statistical physics to interdisciplinary problems." The association selects its fellows members whose "efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished." The association is the world's largest general science organization and publisher of the peer-reviewed journal *Science*.

Anthony J. Baratta, professor of nuclear engineering, was the keynote speaker at the XI Congreso Anual de la Sociedad Nuclear Mexicana in Morelia, Mexico. His talk, "The Impact of De-Regulation on the Nuclear Industry," was presented at the opening plenary session.

At the Thoreau Society Gathering in Concord, Mass., **Phyllis Cole**, associate professor of English and women's studies, collaborated with a local curator to present "The Emersons in Their Neighborhood" as part of a panel called "Everyday Transcendentalism."

Daniel Cosgrove, distinguished professor of biology, has been elected president of the American Society of Plant Physiologists. He was elected by his peers in the 6,000-member group.

Tarasankar DebRoy, professor of materials science and engineering, was recognized with the Comfort A. Adams Lecture, one of the most prestigious honors that can be bestowed within the \$40 billion welding industry. As the Adams Lecturer, DebRoy spoke on "Computer Modeling — A Path to Understand the Science of Welding" during the 2000 American Welding Society Convention and Exposition.

Elizabeth Dudkin, assistant professor of biology, presented a poster, "Nucleus isthmi stimulation in Rana pipiens enhances calcium influx into optic nerve fiber terminals selectively labeled with Calcium Green-1," at the annual meeting of the Society for Neuroscience in New Orleans, La.

Eric Feigelson, professor of astronomy and astrophysics, gave a public lecture on "The Violent Universe: Early Results from the Chandra X-ray Observatory" in Montreal, Canada, sponsored by the Concordia University Science College. He also presented seminars on "High-Energy Processes in Young Stars" at the physics departments of Université de Montréal in Concordia and McGill University.

The Pennsylvania Library Association bestowed its Citation 2000 New Librarian Honors Award on **Jennifer Gilley**, assistant librarian at the Elizabeth S. Bliss Library at Penn State New Kensington. The

award recognizes her commitment to library service, her demonstrated promise for continued growth in librarianship and her promising leadership abilities.

Lonnie Golden, associate professor of economics, chaired and presented a paper at the session, "The Next Act for Fair Labor Standards?" at the Industrial Relations Research Association, National Policy Forum, Conference on Work and Family, in Washington, D.C. Golden also presented "Work Schedule Flexibility in the U.S." at the International Society for the Study of Work, Organization and Values in the New Millennium in Jerusalem.

Myra Goldschmidt, assistant professor of English, was an invited speaker at the Qualitative Research in Education Conference: Participatory and Action Research at Rand Afrikaans University, Johannesburg, South Africa. The title of the workshop was "Service Learning: students empowering students in adult ESL literacy," and the title of Goldschmidt's talk was "Preparing academically unprepared students for college."

The International Customer Service Association has named **William L. Grenoble**, executive director and senior research associate for the Center for Logistics Research in The Smeal College of Business Administration, as its education chair for 2001-2002. The association, which is headquartered in Chicago, is dedicated to promoting the development and awareness of the customer service profession through networking, education and research.

Terry P. Harrison, professor of management science and interim head of the Department of Management Science and Information Systems, and **Elena Katok**, assistant professor of management information systems, presented a lecture on "Optimizing Pre-Positioned Strategic Assets for the U.S. Army" during the Institute for Operation Research and the Management Science Annual Meeting. They were joined by **William Tarantino** of the U.S. Army Center for Army Analysis in Ft. Belvoir, Va.

Tori Anderson Jordan has been inducted into the Kansas State University All Sports Hall of Fame. She is only the second woman in Kansas State history to receive such an honor. Jordan was selected for her feats as both a competitor and a coach in track and field events.

Iam-Choon Khoo, professor of electrical engineering, presented an invited paper, "Supra-nonlinear Nematic Liquid Crystal for Dynamic and Storage Holography and Image Processing" at the Optical Society of America's 2000 Conference in Providence, R.I. The organization is an interdisciplinary society serving optical scientists, engineers and technicians throughout the world.

Nancy Ellen Kiernan, program evaluator in the College of Agricultural Sciences; **Mary Alice Gettings**, nutrition and health agent, Beaver County; and **Cindy Javor**, nutrition and health agent, Allegheny County, received a national award for "Program Excellence Through Research" at the annual convention of National Extension Association of Family and Consumer Sciences. The award recognized a focus group research investigation of food safety practices and perceptions among seniors who prepare meals at home.

Sridhar Komarneni, professor of clay mineralogy, and **Gary L. Messing**, director of the Materials Research Laboratory, were invited speakers at Mullite 2000 in Oban, Scotland. Komarneni gave a presentation on "Porous Mullite from Sintered Kaolinite" and Mess-

ing spoke about "Development of Textured Mullite by Templated Grain Growth."

Byung-Lip "Les" Lee, associate professor of engineering science and mechanics, served as one of three speakers representing "The Next Generation of Scientists and Engineers" at the Symposium on "Air Force Science and Technology: A Celebration of the Past and Anticipation of the Future." The symposium was held at the National Academy of Science in Washington, D.C., in celebration of the 50th anniversary for the Office of Air Force Chief Scientist. Lee presented his research work on "ballistic protection" done in collaboration with the scientists at Air Force Research Laboratory.

John M. Mason Jr., associate dean for graduate studies and research in the College of Engineering and professor of civil engineering, was appointed a member emeritus of the Transportation Research Board's Committee on Geometric Design. The emeritus membership category recognizes significant and long-term contributions of members who have provided outstanding service on standing committees. The board is a unit of the National Academy of Engineering that promotes innovation and progress in transportation.

Robert G. Melton, associate professor of aerospace engineering, was elected vice president, technical, of the American Astronautical Society. The society promotes the advancement of space science and exploration on both a national and international scale.

Raj Mittra, professor of electrical engineering, was a distinguished speaker at the Symposium on "The Future of Information Processing," at the University of Central Florida in Orlando. Mittra, one of 12 invited speakers from around the world, spoke on "The Diffusion of Wireless."

Ramanathan Nagarajan, professor of chemical engineering, has been elected a Fellow of the American Institute of Chemical Engineers. The designation is granted in recognition of a member's professional attainment and significant accomplishment in chemical engineering. The institute is a nonprofit organization providing leadership to the chemical engineering profession.

Robert N. Pangborn, associate dean of undergraduate studies in the College of Engineering and professor of engineering science and mechanics, was named a Fellow of the American Society of Mechanical Engineers. The rank is awarded in recognition of a member's contributions to the society and the engineering profession. The society is an international engineering society focused on technical, educational and research issues.

Calyampudi R. Rao, holder of the Eberly Family chair in statistics and director of the Center for Multivariate Analysis, has been honored with the U.S. Army Wilks Award, which consists of a medal and an honorarium. The award is given to an "individual who has made a substantial contribution to statistical methodology and application impacting the practice of statistics in the Army through their personal research in statistics or for their application of statistics in the solution of Army problems." Under grants from the Army Research Office, Rao and his collaborators at the Center for Multivariate Analysis have made valuable contributions in the areas of pattern recognition, signal processing, shape analysis, Kalman modeling in multi-target tracking and construction of three-dimensional objects from flat pictures.

MORE PENN STATERS

Victor E. Sanvido, professor of architectural engineering, received a Special Recognition Award from the Design-Build Institute of America in conjunction with the 2000 Academic Distinguished Leadership Awards competition. The award recognizes individuals who have demonstrated leadership in the advancement of design-build. Sanvido was honored for his student mentoring activities and his involvement in Penn State's student chapter of the institute.

Stephen Simpson, professor of mathematics, was invited to organize a special session on "Reverse Mathematics" during the annual meeting of the Association for Symbolic Logic, an international organization supporting the presentation, publication and critical discussion of scholarly work in the field of logic. In addition, he was invited to give a plenary talk and participate in a panel regarding "Reverse Mathematics" as part of one of the association's international meetings.

Adam J. Sorkin, professor of English, presented his translations of two poets at the American Literary Translators' Association meeting in San Francisco, at which he also participated on a panel with a talk on working with Daniela Cramaru, titled "What's the Word for That?" Sorkin also was named to the editorial and advisory board of the *University of Bucharest Review*.

The board of directors of the American Concrete Institute has appointed **Paul J. Tikalsky**, associate professor of civil engineering, as chairman of the Institute's Educational Activities Committee, which oversees the academic and educational programs of the institute.

Kenji Uchino, professor in the College of Engineering, and **Gary L. Messing**, director of the Materials Research Laboratory and professor of ceramic science and engineering, attended the Fourth Academic Summit meeting in Tokyo, Japan. The meeting involves research collaboration and student exchange between the University of Kaiser-slautern, Shonan Institute of Technology and Penn State. Uchino gave a presentation on "Recent Trends of Piezoelectric Actuator Developments (Material, Design and Drive Technique Related Issues)" and Messing spoke about "Templated Grain Growth: A Novel Approach for Tailoring Ceramic Microstructures and Properties."

Douglas H. Werner, associate professor of electrical engineering, delivered the keynote address at the 2000 Finnish Electromagnetics Day Conference at the Nokia Research Center in Helsinki, Finland. He also presented an invited talk at the Helsinki University of Technology. Both talks dealt with the subject of fractal antenna engineering.

Keith B. Wilson, assistant professor in the Department of Counselor Education, Counseling Psychology and Rehabilitation Services, received an award for Outstanding Research or Publication from the Pennsylvania Counseling Association at its annual conference in Harrisburg. The award is given to a member of the association who has contributed to the counseling profession through outstanding effort in research or publications.

Dave Yuhelson, sport psychologist with the Morgan Academic Support Center for Student-Athletes and affiliate associate professor in the Department of Kinesiology, was elected president of the Association for the Advancement of Applied Sport Psychology. The association is an international organization made up of more than 1,000 members who have an interest in promoting the development of research, theory and intervention strategies in sport psychology.

Official opening



Penn State Erie last week dedicated its new \$10.2 million Athletics and Recreation Center. President Graham B. Spanier, right, EC "Hoop" Roche, chair of the Penn State Behrend Council of Fellows, John Lilley, provost and dean of Penn State Erie, and Jennifer Miles, president of the Student Government Association at Penn State Erie, were joined by Ted Junker, chair of the Board of Trustees, and more than 100 students representing campus organizations in a ceremony that included throwing blue and white commemorative balls into the pool. The 72,800-square-foot center nearly triples the campus' indoor recreation space.

Benefits enrollment period ends soon

The Employee Benefits Open Enrollment period is in full swing, and will continue through Nov. 22. During this time, employees will have the opportunity to enroll themselves and eligible dependents in a University-sponsored medical plan or to change from one medical plan to another.

Additionally, employees may enroll or change the amount of VADD coverage and make changes to life insurance programs. All employees who wish to participate in a Flexible Benefits Reimbursement Account for 2001 must enroll, even if they participated in 2000 and wish to continue at the same contribution level in 2001.

A complete list of health care rates for 2001 was mailed to all faculty and staff in October and also is available on the Web at <http://www.ohr.psu.edu/benefits/choose/costs.htm>.

Employees are reminded, however, that there is more to choosing benefits than comparing monthly premiums. It's important for employees to compare what each of the plans offers in terms of coverage, and choose the plan that best fits their needs.

The comparison charts also are on the Web, as is

information about prescription drug benefit options, dental and vision coverage and other benefits options. To view the information and fill out the enrollment forms, go to <http://www.ohr.psu.edu/> and click on the link to benefits.

For step-by-step instructions on how to access the forms, check the article in the Oct. 5 issue of *Intercom*. Instructions also appear on the Web. Go to http://www.psu.edu/ur/archivesintercom_2000/Oct5/ and click on the link to the *Intercom* story.

During the open enrollment period, staff members from the Employee Benefits Division will be available to assist with any questions regarding the Web-based enrollment process as well as answer any benefits related questions. Additionally, personal computers will be available in the Employee Benefits Division office, as well as at each University Park Benefits Open House.

Questions regarding the Web-based enrollment system or the open enrollment period should be directed to the Employee Benefits Division at (814) 865-1473 or by e-mail at bene@psu.edu.

PROMOTIONS

Staff

Sally A. Arnold, administrative assistant in College of the Liberal Arts
Brent E. Backstrom, systems engineer II in Computer and Information Systems — Telecommunications
Joseph S. Broniszewski, manager of network and information systems II in Office of the Vice President for Research
Rosemaria Cain, staff assistant V at Penn State Shenango
Vickie L. Davis, staff assistant VII at Penn State Shenango
Steven L. Hessemann, director of institutional advancement at Penn State Shenango
Danuta Huber, senior technician, research in College of Medicine, The Hershey Medical Center

Colleen M. Kelley, research support associate in College of Medicine, The Hershey Medical Center
Peggy J. McCann, financial aid coordinator at Penn State Shenango
Amy D. McNeill, systems analyst in Division of Development and Alumni Relations
Amanda M. McQuade, staff assistant VI in College of Earth and Mineral Sciences
Thomas G. Miller, senior research support associate in College of Medicine, The Hershey Medical Center
Aaron L. Morrison, senior applications programmer/analyst in Computer and Information Systems — Administrative Systems
Catherine P. Murgas, staff assistant

VII in Division of Outreach and Cooperative Extension

Diane M. Paules, staff assistant VI in Division of Auxiliary and Business Services

Toni L. Price, student affairs specialist at Penn State Shenango
William G. Rhoads, senior engineering aide in Applied Research Laboratory

Stephen D. Savard, lead systems analyst in Computer and Information Systems — Administrative Systems

Gregory S. Singer, supervisor, Computer and Information Systems at Penn State Shenango

Tara L. Smith, staff assistant VII in College of Medicine, The Hershey Medical Center



Book Shelf

Richard B. Alley, Evan Pugh professor of geosciences.

The Two-Mile Time Machine: Ice Cores, Abrupt Climate Change and Our Future, published by Princeton University Press.

Alley is author of this book, which relates the history of ice core drilling — particularly on Greenland's vast ice sheets — and examines how we can read the story of Earth's environment and global climate changes embedded within the ice. Alley explains, in terms for the general reader, how Earth's climate has fluctuated wildly for most of prehistory and explains that the relatively temperate environment humans currently enjoy, could end as abruptly as it has in the past.

Christine Avery, associate librarian and head of the Commonwealth College Libraries, and **Diane Zabel**, librarian in the Schreyer Business Library at University Park.

The Flexible Workplace: A Sourcebook of Information and Research, published by Quorum Books.

Avery and Zabel co-wrote this handbook, which explains the concept of workplace flexibility, traces the origin and growth of this workplace trend and reviews the research on a range of flexible work options. One of the book's chapters focuses on companies in manufacturing and non-manufacturing settings that have been leaders in implementing flexible work arrangements. *The Flexible Workplace* has been designed as a handbook for managers, researchers and students in a wide range of courses studying contemporary issues in human resource management.

Clay Calvert, assistant professor of communications and law.

Voyeur Nation: Media, Privacy and Peering in Modern Culture, published by Westview Press as part of its *Critical Studies in Communications and the Cultural Industries* series.

Calvert authored the book, which examines the recent proliferation of voyeuristic media programming. The book includes analyses of reality television shows like "Survivor" and "Cops," news-magazine shows such as "Dateline" and Web sites including "Voyeur Dorm." The book was written in a style that will appeal to a wide audience, and traces the historical, social, technological, economic, political and legal influences that drive mediated voyeurism to the forefront of our culture.

Mary Gergen, professor of psychology and women's studies.

Feminist Reconstructions in Psychology: Narrative, Gender & Performance, Sage Publishing.

Gergen's book begins with a chapter that distinguishes three forms of feminist psychology — empirical, feminist standpoint and a social constructionist form — that is the basis for the other chapters. Two chapters are from her research on popular autobiographies and gender, one on ways of telling life stories, and the other on body-talk.

Lionie Golden, associate professor of economics. *Nonstandard Work: The Nature and Challenge of Changing Employment Arrangements*, published by Industrial Relations Research Association and Cornell University/ILR Press.

Golden co-authored the chapter, "Nonstandard and Contingent Jobs: Dispersion and Contrast by Industry, Occupation and Job Type," as well as the "Introduction and Overview."

Akhlesh Lakhtakia, professor of engineering science and mechanics. *Electromagnetic Fields in Unconventional Materials and Structures*, published by John Wiley & Sons, New York.

Lakhtakia has co-edited the book with **Onkar N. Singh** of the Banaras Hindu University's Department of Applied Physics in Varanasi, India. The book is part of the *Wiley Series in Microwave and Optical Engineering*. Fourteen authors from six countries contributed their research and reviewed parallel developments on electromagnetic fields in unconventional materials and structures for the text. Lakhtakia contributed a chapter on isotropic materials with microstructural handedness, and co-wrote a chapter on sculptured thin films with **Vijay Venugopal**, a former graduate student. The book is intended for researchers and doctoral students.

Denise G. Meister, assistant professor of education at Penn State Harrisburg, and **James Nolan Jr.**, associate professor of education at University Park.

Teachers and Educational Change: The Lived Experience of Secondary School Restructuring, published by The State University of New York Press in Ithaca.

Meister and Nolan co-authored this book, which profiles the impact of school restructuring. A part of the publisher's series on "Restructuring and Social Change," the book recounts the actual day-to-day experiences of five secondary school teachers involved in a mandated school restructuring. In bringing the impact of change on the teachers to the reader's attention, the authors attempt to aid the understanding of what factors may impede progress. They also identify methods for school systems and teachers to track records in implementing change.

Philip Mosley, associate professor of English, communications and comparative literature at Penn State Worthington Scranton.

Split Screen: Belgian Cinema and Cultural Identity, published by the State University of New York Press.

Mosley is author of this book, part of the publisher's series *Cultural Studies in Cinema/Video*. In this first English language study of Belgian cinema, he explores the history of a cinema largely determined by linguistic division and beset by problems of cultural identity. He concludes by placing Belgian cinema in the context of a "new" Europe with its consequences for national media production.

Stephen Simpson, professor of mathematics.

Subsystems of Second Order Arithmetic, published by Springer-Verlag of Heidelberg, Germany.

Part of the publisher's *Perspectives in Mathematical Logic* series, Simpson's book represents an original contribution to foundations of mathematics, with emphasis on the role of set-existence axioms. Part A demonstrates that many familiar theorems of algebra, analysis, combinatorics and functional analysis are logically equivalent to the axiom needed to prove them because of a phenomenon known as "reverse mathematics." Part B provides a thorough study of models of those and other systems, and the book includes an extensive bibliography and a detailed index.

Adam J. Sorkin, professor of English.

The Triumph of the Water Witch, published in Newcastle upon Tyne, England, by Bloodaxe Books.

The book contains 63 poems by Ioana Ieronim, translated by Sorkin and the poet. Sorkin also provided a foreword and notes on the poems. The 96-page volume, composed mostly of prose poems, is based on the poet's own growing up in the Transylvanian Saxon village of Rasnov, and the coming of communism.

Making progress



Work is continuing on the installation of a new water line to serve buildings near the University Drive Extension on the University Park campus. Work is expected to continue through Nov. 30.

Photo: Greg Gileon

University launches e-business initiative

Businesses around the globe are exploring the opportunities and challenges of the Internet and can now gain access to leading-edge research on e-business through the eBusiness Research Center.

The center is a joint effort of the Smeal College of Business Administration and the School of Information Sciences, and will be dedicated at an "e-Business Dedication Day" at 10:30 a.m. Wednesday, Dec. 13, in Deans Hall II at the Penn State Conference Center Hotel on the University Park campus. The event is open to the public.

Joining President Graham B. Spanier and eBusiness Research Center Executive Director Nirmal Pal will be representatives from IBM, Unisys, Xerox, AT&T Wireless, Delphi Ventures and Cigna Group.

For more on this story, go to <http://www.psu.edu/wr/2000/education.html> on the Web.

Send us your news

Guidelines for submitting information to *Intercom* now are available on the Web. Go to the *Intercom* Web site at <http://www.psu.edu/wr> and click on the link to guidelines.

Information should be submitted via e-mail to AMount2@psu.edu by noon on the deadline day.

For a complete listing of publication dates and deadlines, go to the *Intercom* Web site and click on the link to deadlines.



Focus on Research

Computer simulation tests tires "virtually" before manufacture

By BARBARA A. HALE
Public Information

Penn State researchers, in collaboration with the French company ESI Group, have developed a computer simulation that lets engineers "road test" a tire design virtually — while the tire is still on the drawing board.

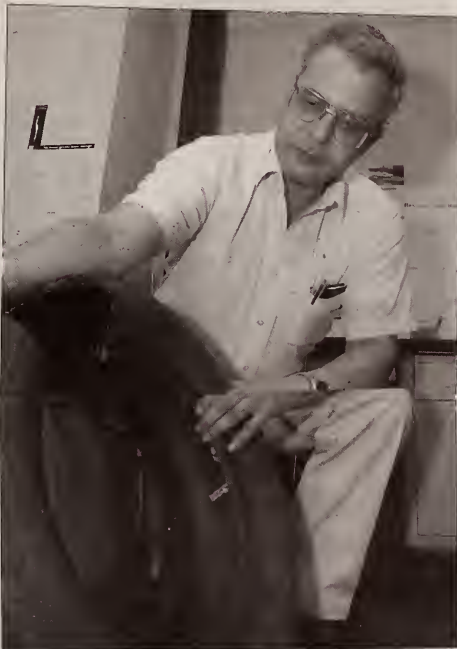
The researchers include Moustafa El-Gindy, director of the Crash Safety and Vehicle Simulation Research Centers at the University's Pennsylvania Transportation Institute (PTI); Donald A. Streit, professor of mechanical engineering and director of the PTI Vehicle Systems and Safety Program; and doctoral student Yin Ping Chang. Argiris Kamoulakos, Gregg Svichan and Etienne Gai of ESI provided technical support.

The international team developed the approach using Pam-Shock, software commercially available from ESI Group, which markets simulation packages for predictive virtual testing of industrial prototypes or processes.

"Tires are probably the most complex component of a vehicle and tire performance, especially at high speeds, is critical from the point of view of vehicle safety," said El-Gindy. He explained that every tire has a maximum speed limit at which a "standing wave" occurs along the tire circumference causing deformation, a temperature rise and eventual failure. The speed at which the standing wave forms and failure occurs is usually found using a tire-testing machine which rotates the tire in contact with a drum to measure durability and endurance.

Using the new Penn State/ESI software, engineers can, for the first time, produce a computer simulation of any tire type at any tire inflation pressure rotating on a test drum and predict the formation of the standing wave. El-Gindy said the results obtained from the simulation show excellent agreement with experimental studies.

The researchers used the simulation, which can be run on a PC, to investigate the effects of different tire inflation pressures on the formation of the standing wave, the energy consumed by the tire, the forces acting on the tire spindle and the pressure at the patch where the tire meets the road. They found that, as the inflation pressure is reduced below the manufacturer's recommended value, the speed at which the standing wave forms is reduced and the energy consumed by the tire is increased significantly, resulting in a rapid increase in tire temperature, energy consumption, rolling resistance and fatigue.



Moustafa El-Gindy, director of the Crash Safety and Vehicle Simulation Research Center at the University's Pennsylvania Transportation Institute, examines a tire. He is part of a team that developed a computer simulation to let engineers "road test" a tire design virtually.

Photo: Greg Gmew

In addition, the researchers used the simulation to study the road vibrations transmitted from the tire's contact patch to the chassis, an objective index of ride comfort. For the first time, they also included a virtual "bump" in the simulation to look at the effect of obstacles on the tire's performance and the comfort index. The simulation results were validated against previous experimental and simulation work and showed excellent agreement.

While there are other simulation packages available to analyze tire performance, the new Penn State/ESI approach is the only one that produces an actual visualization of the tire in

contact with the test drum, the only one that simulates speeds up to 450 kilometers per hour (approximately 280 miles per hour) and the only one that can simulate a tire rolling over multiple "bumps."

"Although the simulation will not replace actual road testing, it can help tire manufacturers predict and understand critical phenomenon earlier in the tire design process," El-Gindy said. "Designers will be able to input the specifications for their tire designs in the program and predict and even preview the design's road performance. We think this preview and prediction capability will help increase safety factors while saving time and money."

Chandra opens door to many new discoveries

The Chandra X-ray Observatory has enabled researchers to make a series of key discoveries recently.

Researchers Niel Brandt, assistant professor of astronomy and astrophysics at Penn State, and Norbert S. Schulz, research scientist at the Massachusetts Institute of Technology, used Chandra to detect, for the first time in X-rays, a stellar fingerprint known as a P Cygni profile — the distinctive spectral signature of a powerful wind produced by an object in space.

The discovery reveals a 4.5-million-mile-per-hour wind coming from a highly compact pair of stars in our galaxy.

The researchers believe these are the first P Cygni profiles reported in X-rays.

The P Cygni spectral profile, previously detected primarily at ultraviolet and optical wavelengths but never before in X-rays, is the textbook tool astronomers use to detect the outflow of stars. George Chartas, senior research associate at Penn State, and Marshall W. Bautz, principal research scientist at the Massachusetts Institute of Technology Center for Space Research, have identified a flickering, four-way mirror image of a distant quasar.

A carefully planned observation of this mirage may be used to determine the expansion rate of the Universe as well as to measure the distances to extragalactic objects.

Quasars are extremely distant galaxies with cores that glow with the intensity of 10 trillion Suns, a phenomenon likely powered by a supermassive black hole in the heart of the galaxy.

In another finding, astronomers including Yohko Tsuboi of Penn State used the Chandra X-ray Observatory to discover that protostars — stars in their youngest, "neonatal" stage — are marked by powerful X-rays from plasma 10-times hotter and 100- to 100-thousand-times brighter than the flares on our Sun.

The X-ray flares also have provided the closest look yet at the youngest stars in the Universe, never before detected because they are hidden within dust and molecular clouds that filter all other light.

The Chandra observations were made using the Advanced CCD Imaging Spectrometer (ACIS), conceived and developed for NASA by Penn State and MIT.

For the full versions of these stories, check the Web at <http://chandra.harvard.edu/press/>

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Chris Kolenko, staff assistant/
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Getting ready to open



Sandra Stelts, Rare Books specialist, works to prepare hangings for the Title Budget and Home History Photo-History Collection Exhibit Room, in 201A Pattee Library on the University Park campus. The room contains a display area for changing exhibits and is accessible to the public for study purposes.

Photo: Greg Gnecco

Nominations are currently being sought for Administrative Fellows program

Applications and nominations are being sought for the Administrative Fellows Program for 2000-2001. Three fellows will be selected: one will serve under the mentorship of Rodney A. Erickson, executive vice president and provost; one will work with Rodney P. Kirsch, vice president for development; and the third will work with Eva Pell, vice president for research and dean of The Graduate School.

The Administrative Fellows Program, a joint program of the Office of the President and the Commission for Women, provides career development opportunities for faculty and staff. By serving under the mentorship of a senior level administrator, Fellows who are seeking the background necessary to compete at higher levels of administration will have an opportunity to broaden their perspectives and experience.

Specific objectives of the program include: to increase the Administrative Fellows' awareness of the complexity of issues facing higher education and to enhance their understanding of the environment in which decisions are made; to provide opportunities for Administrative Fellows to participate in

To learn more

To learn more about the Administrative Fellows Program, attend a luncheon on Dec. 5 at The Nittany Lion Inn, University Park. Past Fellows will be on hand to answer questions and discuss their experiences.

Anyone interested in attending the luncheon should call Kathryn Boynton at (814) 863-7494 by Nov. 30.

a wide range of decision-making processes and learning activities to better equip them to understand the challenges of higher education administration; and to provide the opportunity to observe a variety of leadership styles.

Although completion of the program does not guarantee appointment to an administrative position at the University, people who complete the program increase the pool of qualified candidates.

To apply, nominees must hold full-time faculty or staff positions; have demonstrated success in current positions and interest in an administrative

career; demonstrate evidence of leadership experience and decision-making ability; have the ability to relate effectively to students, faculty and staff; exhibit a commitment to diversity; and have a willingness to accept a wide variety of assignments.

Faculty and staff meeting these qualifications at all University locations are strongly urged to apply. Successful candidates will be placed on leave of absence from their current positions and continue to receive a regular salary. The starting dates of each fellowship may vary depending on the office and the Fellow's commitments.

A screening and interview committee will recommend candidates to the mentors. Serving on the committee are past Fellows and representatives from the Commission for Women, Office of the Vice Provost for Educational Equity, Office of Human Resources and the Office of the President.

Applications are available from Kathryn Boynton in 201 Old Main, University Park, or online at <http://www.psu.edu/oldmain/uprov/> and should be returned to Robert Secor, 201 Old Main, no later than Jan. 15.



Intercom

INFORMING THE PENN STATE COMMUNITY

NOVEMBER 30, 2000

Couple gives \$3 million to fund creamery in food science building

By MICHAEL BEZILLA
University Relations

An internship done by Penn State dairy science student Jeanne Claycomb in Somerset County more than 50 years ago ultimately has led to a \$3 million gift to the University.

As an intern at a dairy processing plant, Claycomb met and later married Earl Berkey, whose family owned and operated the plant. Jeanne and Earl Berkey eventually assumed ownership of the plant and operated it until 1968 as the Berkey Milk Co. They recently decided to give back to Penn State in the form of a \$3 million donation to help construct the Food Science Building.

Now in the planning stage, the building will contain laboratories, classrooms, offices, pilot-scale processing facilities, and a new Creamery manufacturing and sales area. It will be located about a block east of the current facility, the 68-year old Borland Lab.

The new creamery facility, to be located on the first floor of the new Food Science Building, will be known as The Berkey Creamery in recognition of the couple's generosity.

The building is estimated to cost \$22 million in combined private, state and University funds. Design for the building is scheduled to begin in 2003 and the building is to be finished early in 2006, according to the University's five-year capital plan.

Jeanne Claycomb Berkey is a 1948 Penn State graduate. Earl Berkey is a 1948 graduate of the University of Iowa and the Penn State Creamery Short Course. Earl Berkey's father, L. Clayton Berkey, entered the dairy business in Somerset in 1925.

After the Berkeys sold the plant, which did milk testing for the University, they continued in the retail ice cream business until 1977, after which Earl turned his attention full-time to banking. He retired in 1983. The Berkeys now divide their residence between Somerset and Phoenix, Ariz.

Robert Steele, dean of Penn State's College of Agricultural Sciences, said the new Food Science Building will help the University better serve the needs of Pennsylvania's food processing and manufacturing industry, which includes more than 2,300 companies employing 90,000 workers.



Even on a cold day, people line up for Creamery ice cream. Leo Hartman of Wernersville, Pa., stocked up on his favorite flavors while in town for the Nittany Lions' final home football game of the season Nov. 18, as other football fans waited patiently in line behind him with their coolers. When completed, the new facility will be known as the Berkey Creamery.

Photo: Greg Galico

New initiatives intended to combat racism

Responding to student and community concerns about recent events on campus that were motivated by hate and prejudice, the University is undertaking a series of new initiatives to promote a shared understanding of the value of diversity and developing programs to create a welcoming campus climate.

"College campuses are not immune to racism and other forms of hatred that continue to exist in our society at-large," said Terrell Jones, vice provost for educational equity, in his open e-mail letter to University Park faculty, staff and students last week. "Until we realize that and engage in a proactive campaign to rid our society, and our University, of racism and all the forces that seek to divide us, we will be caught in an endless cycle of treating symptoms rather than fighting the disease."

Initiatives, page 2

Student-athletes still top NCAA peers in graduation rate

Based on the graduation rate report released by the National Collegiate Athletic Association, Penn State student-athletes continue to significantly outperform their peers at Division I institutions nationwide.

The NCAA document, which reports on the freshman class that entered in 1993-94 and graduated within six years, reveals that Penn State had a rate of 78 percent for student-athletes as compared with a 58 percent figure for all Division I institutions.

The student-athlete rate was just two percentage points below the graduation figure for the undergraduate student population at University Park (80 percent).

The academic performance of student-athletes who exhausted their eligibility continued to be exceptional. The NCAA survey found that of

Graduation, page 2

Graduation

Continued from page 1

student-athletes who entered Penn State between 1984-85 and 1993-94, 93 percent of those who used up their athletic eligibility earned their degree.

"We are once again pleased and encouraged by the academic accomplishment of our student-athletes," said Tim Curley, athletic director. "The most important mission we have as a department is to see that the young people who participate in our intercollegiate program have not only a satisfying athletic experience but also reach their most ambitious academic goals and earn their degree."

For the focus group, Penn State male student-athletes posted a graduation rate of 74 percent while their female counterparts checked in at 83 percent. African-American student-athletes had a 63 percent success rate, about even with the performance of their peers in the University Park student population (62 percent). The national Division I rate for African-American student-athletes is 45 percent, according to the NCAA report.

The Nittany Lions' football graduation rate was 76 percent for the sample group, substantially above the Division I average of 48 percent. Both the men's and women's basketball teams had graduation figures of 50 percent, which was a reflection of a very limited sample of two student-athletes for each program in the survey group. Nationally, the Division I averages for basketball were 42 percent for men and 63 for women.

For purposes of the NCAA report, student-athletes in good academic standing who either leave the University or transfer to another school count against the institutional rate even if they subsequently earn a degree elsewhere.

In 1999-2000, Penn State led the Big Ten Conference in the number of Academic All-Conference selections for the second consecutive year with 206 — the second highest total in school history. Runner-up Indiana had 174. A year ago, the Nittany Lions and Lady Lions had a record 223 Academic All-Big Ten honorees. To be eligible, a student-athlete must be a letterwinner in at least their second academic year

Student-athlete graduation rates

The following chart represents percentages of members of the entering class of 1993-94 who earned degrees within six years.

	Penn State	NCAA Division 1 Institutions
All Students	80	56
Student-Athletes	78	58
Black Students	62	38
Black Student-Athletes	63	45
Football	76	48
Men's Basketball	50	42
Women's Basketball	50	63
Male Students	77	54
Male Student-Athletes	74	51
Female Students	82	59
Female Student-Athletes	83	68

Source: Penn State Sports Information

Graphic: Annemarie Mountz

and carry a career grade-point-average of 3.0 or better.

For the spring semester, there were 146 student-athletes on the Dean's List with grade point averages of 3.5 or above. In fall '99, 160 student-athletes earned Dean's List recognition. The number of student-athletes achieving an academic average of 3.0 or above totaled 355 for the 2000 spring semester and 370 for fall semester 1999.

Eight Penn State student-athletes were awarded Academic All-America honors, bringing the University's total to 43 honorees over the past six years.

Andrea Garner (women's basketball) and Travis Forney (football) both received NCAA Postgraduate Scholarships. Forney also earned a scholarship grant from the National Association of Collegiate Directors of Athletics.

Nittany Lion and Lady Lion teams in 29 sports assembled one of the most notable records in Penn State athletic annals during the 1999-2000 campaign. Three NCAA team titles (women's volleyball, men's and women's fencing, men's gymnastics) and 19 collegiate championship appearances were the

highlights of a memorable year. In the Sears Directors' Cup, Penn State wound up fourth, the second-best finish ever for the Lions and the third Top 5 placing in the seven-year existence of the program. The Sears' standings measure the overall excellence of institutional athletic programs based on performance.

Three teams won Big Ten Conference regular season championships and four squads reached the Final Four of their respective NCAA tournaments.

The NCAA graduation rate report was constructed by the NCAA staff based on data collected from the Integrated Postsecondary Educational Statistics (IPEDS) graduation rate survey. Starting in 1997, the National Center for Education Statistics of the U.S. Department of Education collected the information to supply to all postsecondary educational institutions as a part of the IPEDS effort.

This is the 10th release of institutional graduation rates since national "right-to-know" legislation was passed in 1990.

by hate and prejudice have brought together hundreds of members of our community to commit themselves to unity," said Jones. "While our first priority is always to prevent acts of hatred, once such acts occur we believe that the next priority must be to find and prosecute the perpetrators. With this reward, we intend to send a clear message that actions of racial hate have no place at Penn State."

The fund has been established to reward individuals who provide information leading to the arrest and conviction of anyone under state or federal criminal law for a hate crime that occurs

Faculty Senate to meet Dec. 5

The University Faculty Senate will meet at 1:30 p.m. Tuesday, Dec. 5, in 112 Kern Graduate Building on the University Park campus. Items to be discussed include:

- Curriculum report of Nov. 21;
- Committees and rules — revision of Constitution, Article II, Section 1;
- Revision of Standing Rules, Article II, Section 6(e) (legislative);
- Undergraduate education — revision of Senate Policy 42-27, class attendance (legislative);
- University planning — recommendation for developing an ecologically sustainable university (informational);
- Admissions, records, scheduling and student aid — reserved spaces program (informational);
- Faculty affairs — UniSCOPE 2000 Presentation (informational);
- Undergraduate education — summary of student petitions by college, unit or location (informational);
- University planning — long-term debt and debt service of the University (informational); and
- University planning — "A Grand Destiny," the Penn State campaign (informational).

Members of the University community may attend. Any member of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.

For information on how to submit major, minor, option or course proposals, the "Guide to Curricular Procedures" now is available on the Web from the Faculty Senate home page at <http://www.psu.edu/fs/>.

Initiatives

Continued from page 1

Now in the planning stages is a series of advertisements, posters and videos to be developed in collaboration with student leaders on the value of diversity. "All Penn State students have earned the right to be here," said Jones. "And we hope these efforts will help convey that message."

Other activities have included a forum on "How Race is Lived in America," sponsored by *The New York Times* and the College of Communications; and several events that celebrated Hispanic Heritage Month, including a Latino Food Festival in the College of Engi-

neering and the Hispanic Heritage Month keynote speaker, Ingrid Duran.

"I am heartened by the responses from the University community to mobilize efforts against racism and hate," said President Graham B. Spanier.

In addition, the University has announced a \$5,000 reward for the arrest and conviction of the person or persons who sent racist mail to members of the Black Caucus last month is now available. The reward comes entirely from private funds.

"Hate mail, racial slogans painted on walls and other recent events motivated

on any Penn State campus. These crimes are defined by the FBI Uniform Crime Report as "a criminal offense committed against a person, property, or society, which is motivated, in whole or in part, by the offender's bias against a race, religion, disability, sexual orientation, or ethnicity or national origin."

Anyone having information on hate crimes should report them to Terrell Jones at (814) 863-7739 or wjl1@psu.edu; to University Police at any Penn State campus — at University Park, the number is (814) 863-1111 — or to Crime Stoppers at (877) 992-7463.

University Park to hold commencement on Dec. 16

The University Park campus will hold its fall 2000 commencement ceremonies for approximately 3,370 associate, baccalaureate and graduate degree students on Saturday, Dec. 16.

Undergraduate baccalaureate and associate degrees will be awarded at 10 a.m. and 1 p.m. in The Bryce Jordan Center. Graduate degrees will be awarded at 3:30 p.m. in Eisenhower Auditorium.

As of mid-November, 3,376 students are scheduled to receive degrees at the University Park ceremonies. That figure includes 17 associate, 2,707 baccalaureate, 424 master's and 228 doctoral degree students. Systemwide, the University will graduate a total of 4,528 students — approximately 312 with associate degrees, 3,353 baccalaureate degrees, 860 graduate degrees and three juris doctorate degrees.

President Graham B. Spanier will confer degrees at the undergraduate baccalaureate and associate degree ceremonies and The Graduate School program. Rodney Erickson, executive vice president and provost, will preside at the baccalaureate and associate degree ceremonies, and Eva Pell, vice president for research and dean of The Graduate School, will preside at The Graduate School ceremony.

Historian Raul Hilberg, the speaker at the 10 a.m. undergraduate degree ceremony, will receive an honorary doctor of humane letters. Recognized as one of the world's pre-eminent scholars on the Holocaust, he is author of *The Destruction of the European Jews*, a landmark study of the Holocaust and the systematic extermination by Adolph Hitler of millions of Jews.

Award-winning actress Uta Hagen, the speaker at the 1 p.m. undergraduate degree ceremony, will receive an honorary doctor of fine arts degree. Since 1947, she has devoted her life to teaching and directing at the Herbert Berghof Studio in New York City, and has had a profound influence on the way acting is practiced and taught in this country.

The following colleges will hold undergraduate associate and baccalaureate degree ceremonies at 10 a.m. in The Bryce Jordan Center:

- College of Agricultural Sciences
- The Smeal College of Business Administration
- College of Earth and Mineral Sciences
- College of Engineering

The following colleges will hold undergraduate associate and baccalaureate degree ceremonies at 1 p.m. in The Bryce Jordan Center:



A graduating senior tried to attract the attention of friends and family during the College of Health and Human Development commencement ceremony on the University Park campus last spring. More than 3,300 students will receive degrees at the campus' commencement ceremonies Dec. 16.

Photo: Greg Gilcoo

Two honorary degrees to be awarded at fall ceremonies

Historian Raul Hilberg and award-winning actress Uta Hagen will be awarded honorary degrees during fall commencement ceremonies Saturday, Dec. 16, at University Park.

Hilberg will receive an honorary doctor of humane letters and will be the speaker at the undergraduate commencement at 10 a.m. Saturday, Dec. 16, in The Bryce Jordan Center. Hagen will receive an honorary doctor of fine arts degree and will speak at the undergraduate commencement at 1 p.m. Saturday, Dec. 16, in The Bryce Jordan Center.

Hilberg is recognized as one of the world's pre-eminent scholars on the Holocaust. His interest in the Holocaust began when he was a research specialist during the War Documentation Project at the Federal Records Center. He was responsible for classifying German records of the Nazi era that had been confiscated by the U.S. government during

World War II.

His book, *The Destruction of the European Jews*, is a landmark study of the Holocaust and the systematic extermination by Adolph Hitler of millions of Jews. A professor emeritus of political science at the University of Vermont, Hilberg was appointed by President Jimmy Carter to serve as a member of the President's Commission on the Holocaust and was a member of the U.S. Holocaust

Memorial Council. In addition, he has been an expert witness in trials concerning the Holocaust.

Hagen has devoted her life to the mastery of acting and the profession of educating and training actors. As an actress, she achieved worldwide acclaim for her work in such plays as "The Country Girl" and "Who's Afraid of the Virginian Wolf?" and has been honored with two Tony Awards, two Drama Critics Awards, the Oonaldson Award and the London Critics Award.

Hagen received a lifetime-achievement Tony Award, American theater's most-coveted honor, and an Obie Award, off-Broadway's highest honor.

Since 1947, she has devoted her life to teaching and directing at the Herbert Berghof Studio in New York City, and has had a profound influence on the way acting is practiced and taught in this country. Hagen was inducted into the Theatre Hall of Fame in 1981.

Penn State awards honorary degrees to scholars, performers, artists and practitioners in academic fields, or individuals who have made particularly distinguished contributions to society in areas such as public service, business or government. This year's recipients were nominated by a 15-member faculty committee and approved by President Graham B. Spanier and the Board of Trustees.

- College of Arts and Architecture
- College of Communications
- College of Education
- College of Health and Human Development

- College of the Liberal Arts
 - Eberly College of Science
- Richard W. Durst, dean of the College of Arts and Architecture and executive director of University Arts services at Penn State, will be the

speaker at The Graduate School ceremonies at 3:30 p.m. in Eisenhower Auditorium. Durst is an internationally known specialist in theater design and the role of theater in colleges and universities.



Lectures

Ex-Cornell president to discuss university research at Forum

Frank H. T. Rhodes, professor of geological science and president emeritus of Cornell University, will discuss "The Research-Intensive University: Prospects for a New Era" at the Penn State Forum at noon Dec. 13 in the President's Hall at The Penn State Conference Center Hotel.

During Rhodes' 18 years as president, research funding tripled — from \$88 million to more than \$300 million — and Cornell undertook new initiatives in Asian studies, super-computing, biotechnology and nano-fabrication.

He was appointed by former President Ronald Reagan as a member of the National Science Board, of which he is a former chair, and by former President

George Bush as a member of the President's Educational Policy Advisory Committee.

The Penn State Forum is a lunchtime speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore.

Tickets are \$11 for non-members and \$9 for members, and include lunch. Reservations can be made by mail or at the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis.

Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon. For information, call (814) 865-7590.

Genomic imprinting topic of talk

Shirley Tilghman, Howard A. Prior professor of the life sciences at Princeton University, will speak Tuesday, Dec. 5, on "Genomic Imprinting: Epigenetic Regulation of Mammalian Development" in the Life Sciences Consortium's Colloquium.

The colloquium will be videoconferenced at 4:15 p.m. from 101 Thomas Building to Lecture Room D at The



Shirley Tilghman

Hershey Medical Center. Tilghman received her bachelor of science from Queen's University, Kingston, Canada and her doctorate from Temple University in 1975. She completed postdoctoral studies at the national Institutes of Health, where she participated in cloning the first mammalian gene in the laboratory of

Philip Leder.

LabVIEW seminars set for Jan. 15

The College of Engineering has a college-wide site license from National Instruments for LabVIEW, a graphical programming language with emphasis on data acquisition and process control.

In support of LabVIEW, the Center for Electronic Design, Communications and Computing (CECDC) is offering free, four-hour introductory "hands-on" training classes from 8 a.m. to noon and again from 1 to 5 p.m. Monday, Jan. 15, 2001.

This training course covers the fundamentals of building a robust meas-

urement and automation system using LabVIEW with data acquisition and instrument control hardware.

This initial seminar will focus on training for faculty and staff as space is limited to 10 participants per session. Reservations for interested graduate students will be accepted should there be openings available.

To register, e-mail Jeanne Harvey at xjh2@engr.psu.edu, indicating session preference. Also, include the participant's name, office address, campus telephone and e-mail address.

Pulitzer-winning author to discuss Pushkin book

Author and cognitive scientist Douglas Hofstadter, who won the Pulitzer Prize in 1980 for his book *Gödel, Escher, Bach: an Eternal Golden Braid*, will present two colloquia Friday, Dec. 1, on the University Park campus.

Hofstadter will present "Tatyana Was Not Alone: The Many Who Fell for 'Eugene Onegin'" at 12:20 p.m. in 102 Weaver Building. The department of Germanic and Slavic languages and literatures will be the host for this pres-

entation, which pays homage to the diverse collection of people who have responded to Alexander Pushkin's 1831 novel-in-verse *Eugene Onegin*.

The author also will present "Does Beautiful Music Spring from Life and Emotions Or is It Merely the Result of a Very Complex Grammar?" at 4:30 p.m. in 110 Music Building.

Hofstadter, a professor at Indiana University, earned his doctoral degree in physics in 1975.



Chen Zhili, China's minister of education, was a recent visitor to Penn State where she, as well as members of her delegation, met with several officials including President Graham B. Spanier. She also gave a lunchtime-talk to the board of trustees.

Photo: Greg Grieco

Erie astronomy series presents 'Big Bang'

"The Big Bang," the fourth lecture in the 2000-2001 Open House Nights in Astronomy Series at Penn State Erie, will be held at 7:30 p.m., Thursday, Dec. 7, in 101 Otto Behrend Science Building. The lectures in this series are intended for a non-technical audience and are free to the public.

In this presentation, Roger Knacke, professor of physics and astronomy and the director of the Penn State Erie School of Science, will speak on the history and the creation of the universe. Knacke will describe current under-

standing of the Big Bang, including the latest results gathered from astronomical observations. Many of these new findings are made available from instruments like the Hubble Space Telescope and large ground-based observatories. Knacke is a NASA-funded scientist and has written extensively in the fields of planetary science, interstellar matter, and star and planet formation.

Weather permitting, astronomical observing will take place after the lecture. For more information, call (814) 898-6105.

'Survivor' star to speak at Worthington Scranton

Sean Kenniff, best known as the "Alphabet Strategist" on the CBS series "Survivor," will be a guest speaker at Penn State Worthington Scranton at 7 p.m. Dec. 4. His appearance is part of the 2000-2001 Lecture Series, which is free to the public.

Before his television stardom he was

a neurologist in clinical practice on Long Island. Fully licensed to practice medicine in New York, he is presently pursuing a career in television and film.

For information about his presentation at Penn State Worthington Scranton, call the Student Activities Office at (570) 963-2700.

Lecture focuses on potential sites of hate crimes

"Mapping Potential Targets of Hate Crimes in Pennsylvania" will be the topic of a presentation at noon Dec. 7 at the Penn State Downtown Center in Harrisburg.

In the free lecture, Colin Flint, assistant professor of geography, will examine "the stark geographic differences

within the state that are likely to foster feelings of threat and insecurity based upon personal and lifestyle difference."

Flint's presentation is an installment in the Diverse Communities Series sponsored by the Penn State Harrisburg School of Humanities and its American studies program.



News in Brief

Peace Tree to shine

For the 12th consecutive year, the Association of Faculty and Friends of The Milton S. Hershey Medical Center is sponsoring The Peace Tree in memory of, or in honor of, a loved one.

Each light on the large evergreen tree in front of the main entrance of the medical center represents a gift of love from a donor. The tree will remain lighted each night throughout the holiday season. The tree lighting ceremony is scheduled for 4 p.m. Saturday, Dec. 2, in the hospital's main lobby and is open to the public. Refreshments will be served following the ceremony.

Money donated to this project is returned to the medical center for a variety of programs. Contributions may be sent to The Association of Faculty and Friends, Mailbox 460, The Milton S. Hershey Medical Center, Hershey, Pa. 17033.

For more information, call Barbara Messmer at (717) 520-5938.



Penny Kauffman, information operator, takes a call at her station on the University Park campus. The Call Center Services Office will be operating on limited hours through the winter break. Hours will be 7 a.m. to 7 p.m. Dec. 18 through Dec. 21 and 8 a.m. to 5 p.m. Dec. 22 through Dec. 31. It will be closed Christmas and New Year's days.

Photo: Greg Gricco

Taste of the Town

The Third Annual Taste of The Town benefiting The AIDS Project will be held at 6 p.m., Sunday, Dec. 3, at The Penn State Conference Center Hotel on the University Park campus.

Patrons of this event will enjoy a selection of specialty cuisine, desserts and coffees from 20 of the area's finest eateries including The Allen Street Grill, The Victorian Manor and The Hummingbird Room.

There also will be a silent auction held before dinner and a live auction afterward. Auction items have been donated from many area businesses.

All proceeds from this event will support The AIDS Project, a local not-for-profit organization that offers support and services to residents of Centre and Clinton counties dealing with HIV/AIDS either directly or indirectly.

Tickets, which are \$30 and tax-deductible, may be purchased at King Printing, 1305 W. College Ave., State College, (814) 238-2536 or The AIDS Project, 315 S. Allegheny, Suite 116, State College, (814) 234-8087.

Abstracts sought

The Center for Environmental Chemistry and Geochemistry (CECG) is soliciting abstracts for the Fourth Annual Environmental Chemistry Symposium. The symposium is open to all undergraduate and graduate students conducting environmental chemistry research.

An interdisciplinary student group organizes the annual symposium, which provides students with exposure to a broad scientific audience and the opportunity to gain experience presenting technical material. Presentations may be given orally or as poster presentations summarizing student research. The research presented should have a strong chemical founda-

tion and an environmental component.

Awards are given for best oral presentations, poster presentations and undergraduate presentations based on originality, quality of presentation, environmental relevance and chemical foundation. In total, more than \$9,000 in prizes are awarded each year.

The deadline to submit abstracts is 5 p.m. Dec. 4. The conference will be held March 16-17, 2001, in the Agricultural Science and Industries Building at University Park.

For more information on the symposium or for an entry form, visit the CECG Web site at <http://www.essc.psu.edu/CECG/symposium.htm>.

Kopp Award nominations

Nominations are currently being accepted for the 2001 W. LaMarr Kopp International Achievement Awards, to be given in spring 2001.

The awards were established in 1995 and named in honor of W. LaMarr Kopp, retired deputy vice-president for international programs.

The awards recognize an undergraduate student, a graduate student, a faculty member and a staff member for "contributing significantly to the advancement of the international mission of the University." Each award carries a \$1,000 stipend and a certificate. Recipients will be recognized at The University Awards Ceremony and at a special Recognition Reception for the University's International Ambassadors, hosted by Beverly Lindsay, dean of the Office of International Programs.

This year, Patricia A. Book, associate vice president for outreach and executive director of the Division of Continuing Education, chairs the International Achievement Awards selection committee.

Application/nomination deadline is Dec. 12. For complete guidelines and nomination/application forms for each of the awards, call Terry McGrail at (814) 865-6348 or e-mail tlm10@psu.edu. Information and forms also are on the Web at <http://www.international.psu.edu/>.

Mailing update

The following information has been provided by Mail Services:

■ Holiday mail service

Mail service to the University community will be suspended from 5 p.m. Thursday, Dec. 21, until 8 a.m. Tuesday, Jan. 2, 2001 due to the holiday season.

Only buildings that currently receive direct delivery from the U.S. Postal Service will be eligible to receive mail during this time. To find out if a building is eligible to receive incoming U.S. mail, call Paul Felzer at (814) 865-9171 or Gregg J. Asciutto at (814) 863-8153 before Dec. 8 or check with the facilities coordinator for the academic or administrative area. Arrangements will be made with the U.S. Postal Service for eligible buildings to receive their mail if so desired. Buildings that do not receive direct delivery will receive their mail after the University resumes operation on Jan. 2, 2001.

■ Interoffice envelopes

Mail Services requests that all excess interoffice envelopes be returned to 108 Business Services Building to facilitate equal distribution to all departments. Also, please return any mail tubs that are being used for office storage. A critical shortage has occurred with these items, and your help is needed to keep these items in circulation and to avert unnecessary expense.

■ Standard 'A' bulk mail

Because of the increase of standard "A" mailings presented to Addressing Services in December, it may not be possible to process standard "A" bulk mailings that come in after Dec. 10 until the start of the new year.

■ FedEx, UPS and brown paper wrapping

Please refrain from using brown paper wrapping when sending packages through United Parcel Service. Because of the use of automation equipment, brown paper wrapping with addresses on them is ripping off the box. If the address separates from the box, the packages may become undeliverable.

Carpool

Michele is interested in starting a car or van pool from Altoona to University Park. Hours can be either 7:30 a.m. to 4:30 p.m. or 8 a.m. to 5 p.m. Monday through Friday. For information, e-mail mr12@psu.edu.

Blood Donor Challenge

Students and fans rallied to overtake Michigan State during the final days of the annual Penn State-Michigan State Blood Donor Challenge. The final tally has Penn State donating 1,745 pints to Michigan State's 1,678 pints.

According to Connie Schaefer, campus coordinator for the American Red Cross Blood Services, the event brought out the great determination among Penn State students to pull together after last year's 19-pint loss to Michigan State. This was the seventh year of the event, and the overall score is now Penn State-5, Michigan State-2.

Absence policy reminder

Faculty and students are reminded of the University's policy regarding students' requests for absence from class for the purpose of observing a religious holiday. The University Faculty Senate Policy on Class Attendance (42-27) states that instructors should provide, within reason, opportunity to make up work for students who are obliged to miss classes for legitimate reasons.

As further clarification, the Academic and Administrative Policies and Procedures Manual (R-4) states that while the University makes every effort to avoid conflicts with religious holidays, when conflicts are unavoidable, the policy is to try to make special arrangements for the students affected.

A list of holy days of the major world religions that may require students to depart from their normal routine is published by the Center for Ethics and Religious Affairs at <http://www.ssa.psu.edu/cear/reho.html>.

For the record

The call for nominations for the Administrative Fellows program is for the 2001-2002 program. The incorrect academic year was given in a story on the back page of the Nov. 16 *Intercom*.

FROM THE TRUSTEE DOCKET

University meets enrollment plan objectives

The University's fall 2000 enrollment figures show that the University once again has met the major objectives of its well-defined, slow-growth enrollment management plan, according to a report to the board on Nov. 17.

The plan calls for stable enrollments at the University Park campus and modest growth in the number of juniors and seniors at other locations.

John Romano, vice provost and dean for enrollment management, said University Park enrollment is essentially flat and remains within the established 40,000-42,000 target range, at 40,571—down 87 from fall 1999. Since 1998, overall University enrollment has increased only three-quarters of 1 percent.

For the full story, check the Web at <http://www.psu.edu/ur/2000/17nov00obromanomano.html>.

World Campus to set new standard in distance education

E-learning is a booming phenomenon today that has forced universities worldwide to re-examine their offerings. In a report to the University Board on Nov. 17, World Campus officials affirmed their readiness to again set the standard in e-learning.

A recent study predicts that 6.3 million people age 18 and older will take an online course in the next 12 months. This compares to fewer than 500,000 people currently taking advantage of online education. The World Campus offered 18 certificate and degree programs last year—compared to 11 the previous year—and has a goal of 30 by the 2002-03 academic year.

For the full story, check the Web at <http://www.psu.edu/ur/2000/17nov00obworldcampus.html>.

Materials Research Lab, Institute to merge

The Board on Nov. 17 approved the merger of the Materials Research Laboratory and the Materials Research Institute. The merger will occur on July 1 and the new organization will be known as the Materials Research Institute.

More than 150 faculty from the colleges of Agriculture, Engineering, Earth and Mineral Sciences, and the Eberly College of Science are engaged in materials education and research. University-wide, total annual research expenditures in materials are now more than \$50 million.

Some recent projects include the Center for Innovative Sintered Products, the National Nano-Fabrication User's Network and the Smart Materials and Devices fabrication facility.

For the full story, check the Web at <http://www.psu.edu/ur/2000/17nov00obmri.html>.

Beaver gets 25-year campus master plan

The board approved a new, long-range,

master plan for Penn State Beaver.

Established in 1965 at the former Beaver County Tuberculosis Hospital, the 48-acre site has since grown to 100 acres with a number of substantial buildings. While much of the campus is sound and well-organized, the plan calls for eventual demolition of the current administration building, the addition of several academic buildings that will surround a large park-like open space and a new library.

For the full story, check the Web at <http://www.psu.edu/ur/2000/17nov00obbeaverplan.html>.

\$250 million in borrowing authority approved by board

The board authorized the University to increase long-term borrowing to finance, in part, key educational and general capital projects.

"In keeping with the University's Five-Year Capital Plan, we are proposing the board authorize \$250 million of additional borrowing," said Gary C. Schultz, senior vice president for finance and business/treasurer. "The most recent \$100 million of new borrowing was authorized by the Board of Trustees in November 1997."

For the full story, check the Web at <http://www.psu.edu/ur/2000/17nov00obondissuue.html>.

Board action on buildings and property

The board took action on a number of building and property items at its Nov. 17 meeting.

Among them, the board:

- learned that the Pennsylvania Department of General Services has released \$11.9 million for the construction of a new library/classroom building for Penn State York;

- approved the appointment of Weber Murphy Fox of Erie as architects for the MBNA Career Services Building at University Park;

- appointed IKM Inc. of Pittsburgh as architects for the extramural research facility at The Milton S. Hershey Medical Center;

- approved final plans and gave authorization to obtain bids and award contracts for the General Aviation Hangar at the University Park Airport and for a revised plan for the Perkins Student Center at Penn State Berks;

- approved the purchase of 198 acres of undeveloped land next to the University Park campus in Benner Township for \$1,485 million. It will be used by the College of Agricultural Sciences; and

- approved the purchase of a five-story building at the corner of West College and South Burrows for \$2 million. The building will be used for graduate student and visiting faculty housing and leased commercial space on the University Park campus.

To read the full stories on these items, go to <http://www.psu.edu/ur/pineus/> or <http://www.psu.edu/ur/NEWS/TRUSTEES/index.html>.



Student Lane Destro puts some miles on the treadmill at the Exercise Loft at the Natatorium on the University Park campus. Recreational fitness classes and equipment are available to both faculty/staff and students.

Photo: Greg Grieco

Proposals sought for upcoming symposium

Faculty and teaching assistants are encouraged to submit proposals for presentation at the Ninth Annual Teaching and Learning with Technology Symposium.

The Symposium, sponsored by the Center for Academic Computing (CAC), will take place from 9 a.m. to 4 p.m. Saturday, April 7, 2001, at the Joab L. Thomas Building, University Park.

The purpose of the symposium is to allow faculty to share ideas and techniques for improving teaching and learning through the use of information technology. The event also is intended to showcase exemplary departmental and curricular initiatives, so proposals will be accepted for student-teacher panels, as well as the traditional show-and-tell format. Ideas for roundtable topics also will be welcome.

Co-sponsors for the event include the Teaching and Learning Consortium, the Royer Center, the Schreyer Institute for Innovation and Learning, the Center for Excellence in Learning and Teaching, Undergraduate Education, and Outreach and Cooperative Extension.

Since the theme for this year's Symposium is "Supporting and Enriching e-Learning," participants are encouraged to submit proposals that focus on how technology has been used to enhance and enrich the learning experience, including in large classrooms.

Presentations are usually 30 minutes in length and include demonstrations of the instructional strategies and technologies. Those selected to present at the symposium will be asked to provide abstracts and reviews of their project for online proceedings. In addition to abstracts, solicitations for "great teaching and learning resources that are used in the classroom" such as URLs, CDs or articles also will be published in the proceedings for different disciplines.

Proposals are due Friday, Jan. 19, 2001. To submit a proposal via the Web go to <http://cac.psu.edu/training/TLT/rfp.html>. For information or to request a printed proposal form, e-mail name, address and a brief message to tlt@psu.edu or call Karen Peters at (814) 863-7763.

Midnight Clear returns

Midnight Clear returns again this winter to the University Park campus. Its goal is to announce when snow removal is likely, so that all vehicles may be cleared from the parking lots before removal activity begins.

Parking will be restricted in faculty/staff lots from midnight to 7 a.m. on nights of an announced Midnight Clear. This restriction includes University vehicles. Overnight parking will be available in:

- all parking decks, under roof areas only, between 4 p.m. and 7 a.m., in metered or unmetered spaces, with no need to feed the meter;

- lot Orange H, head-in only along the north and west sides of Materials Research Lab;

- areas with fenced parking compartments, including Fleet Operations and The Bryce Jordan Center;

- all farm areas;

- lot Orange A Curtin, at the intersection of Curtin and Bigler, between 3 and 7 a.m. only; and

- Lot Orange W, west of Atherton Street, between 3 and 7 a.m. only.

The plan can be found in the Summary of Faculty and Staff Parking Rules and Regulations brochure which has already been sent to all those holding a University Parking Permit.

The Office of Physical Plant will declare when a "Midnight Clear" is required. Notification will be sent via e-



This plow had easy access to plow a lot on the University Park campus last winter because of Midnight Clear. When in effect, Midnight Clear prohibits parking in faculty/staff lots from midnight to 7 a.m.

Intercom file photo: Greg Grieco

mail to parking chairpeople, who are responsible to assist in getting the word out. Housing and Foods will roll the announcement on its message boards. The Office of Public Information will inform radio and TV stations.

Police Services will enforce the restrictions when a "Midnight Clear" is in effect. In addition to normal communication efforts, the University again will be using the orange message boards to announce a Midnight Clear.

Midnight Clear will not impact personal and departmental vehicles every night, since the plan is in effect only on

nights of probable snow removal activity. Midnight Clear is specifically designed to:

- alert the University community when parking restrictions are in effect;
- provide alternate parking locations for vehicles that must remain on campus overnight;

- reduce the likelihood of parked vehicles receiving a parking citation;

- remove snow from roads and parking lots in a timely, efficient manner;

- eliminate the safety issue of plowing around vehicles, leaving windrows

to melt and refreeze for days after the storm; and

- provide a safer surface on which to drive and walk.

For more information about the Midnight Clear plan, call Doug Holmes at (814) 865-2513 or e-mail wdh1@psu.edu; or call Lloyd Rhoades at (814) 865-0477 or e-mail lar2@psu.edu. Another option to stay on top of weather and other University news is to subscribe to the Employee Newswire. To subscribe, go to <http://www.psu.edu/> on the Web and click on the link under "Announcements."

Biologist earns \$2 million grant

Joseph Kiesecker, professor of biology, has been awarded a \$2.09 million grant over five years as principal investigator for a project to study how humans and urbanization impact wetlands and what that impact means in terms of disease for amphibians.

As part of a joint program conducted by the National Institutes of Health and the National Science Foundation, which established the Ecology of Infectious Diseases initiative, Kiesecker's proposal was one of 12 nationally that was funded with more than \$23 million over a five-year period. The program also has support from the National Institute of Environmental Health Sciences, which handled Kiesecker's proposal, and groups such as the U.S. Department of Agriculture and the U.S. Geological Survey.

Along with Kiesecker, the research team includes Katrina Shea, who will join the University in the spring as assistant professor of biology, as well as collaborators from Wake Forest University and Yale University.

According to Kiesecker, typical human impacts on watersheds

include: the reduction of cover by diminishing the number of trees, which allows more light into an area; an increase in nutrient input; and a change in the hydroperiod, such as altering how often a watershed dries or directing water into a specific channel from a larger, more diffuse area.

Through his research, Kiesecker hopes to gain a better understanding of how consistent changes humans make to wetlands impact the prevalence of disease and the effect of disease on community dynamics. A big portion of the research project focuses on snails and larval amphibians, including their abundance and the regularity of infection after exposure to disease-causing organisms. Specifically, Kiesecker hopes to understand how human-induced changes increase the occurrence of infection for amphibians and other organisms.

With several watersheds nearby, State College serves as one of four "urban" areas included in the study. Sites in Connecticut, New York, Pennsylvania and Vermont will be included in the project.

\$1 million grant to fund three-year project

A three-year research project, "Culture-Specific Models of Men's Sexual Aggression," has been awarded \$1.16 million by the National Institute of Mental Health.

Gordon C. Nagayama Hall, professor of psychology and crime, law and justice, is principal investigator of the project.

This is the first large-scale study of determinants of sexual aggression in Asian-American populations. The research project will test culture-specific

models of men's sexual aggression in Asian-Americans and European-Americans to determine if ethnic differences in the determinants of sexual aggression are culturally based, the result of ethnic minority status, or both.

In addition to Penn State, other test sites are University of Washington; University of California, Davis; University of California, Santa Barbara; and University of Hawaii, Manoa.

Endowment supports religion data archive

The Lilly Endowment Inc. of Indianapolis, Ind., has awarded a grant of \$403,221 to Penn State, effective Jan. 1, 2001, to support the American Religion Data Archive (ARDA).

The Internet-based archive at <http://www.thearda.com/> provides immediate access to data from more than 160 research projects on religion in the United States and Canada to university scholars as well as to students, journalists, church leaders, seminarians and other interested users. Data

from an additional 50 research studies will be available online within the coming year.

The ARDA was established to preserve, improve access and increase the use of data collections on American religion, and to allow comparisons across data files using user-friendly software.

Based at the University's Population Research Institute, the archive is under the direction of Roger Finkle, professor of sociology.

Construction, top to bottom



Construction continues on the White Building renovations at University Park, where additional space will include a new swimming pool and gymnastics training facility. Above, men work on the new roof, while at right, skilled workers install an aerobics room floor. Below, a hard-hat ted construction worker uses a level to get an accurate reading.

Photo: Greg Gneco





Arts & Entertainment

Recital

Tenor Richard Kennedy, associate professor of music, will present a faculty recital at 8 p.m. Saturday, Dec. 2, in the School of Music Recital Hall on the University Park campus. Assisting Kennedy will be pianist Steven Smith, professor of music. The recital is free to the public.

Percussion concert

The Percussion Ensemble II, under the direction of graduate student Doug Stephens, will present a concert at 4 p.m. Sunday, Dec. 3, in the School of Music Recital Hall on the University Park campus. The concert is free to the public.

Winterfest

The annual Winterfest: A Choral Celebration will be held at 4 p.m. Sunday, Dec. 3, in Eisenhower Auditorium on the University Park campus.

Winterfest features more than 400 singers in the combined choirs plus the combined orchestras of the School of Music. Ensembles featured in the performance include Concert Choir, University Choir, Oriana Singers, Women's Chorale, Essence of Joy, Glee Club, and the Philharmonic and Chamber Orchestras.

This year's performance will be conducted by D. Douglas Miller, professor of music, who will be retiring at the end of the school year.

Tickets are \$7 in advance, \$10 at the door. Student tickets are \$4. To purchase tickets, call (814) 863-0255 or (800) ARTS-TIX.

Musica Nova

Musica Nova, which features new concert music, will be presented at 8 p.m. Wednesday, Dec. 6, in the School of Music Recital Hall on the University Park campus.

Performers will include undergraduate and graduate students, and the Penn State Clarinet Ensemble under the direction of Smith Toulson, professor of music.

The concert is free to the public.

Concert Band

The Concert Band, under the direction of Doug Stephens and Mark Yingling, will present a concert at 8:30 p.m. Wednesday, Dec. 6, in Eisenhower Auditorium on the University Park campus.

Tickets are \$5 general admission, \$3 for students and are available at the door before the performance or by calling (814) 863-0255.

Bach's Lunch

The Penn State Trombone Choir, under the direction of Mark Lusk, associate professor of music, will perform at the final Bach's Lunch concert of the fall semester at 12:10 p.m.



Erica Harsch uses one of the practice rooms in the Music Building on the University Park campus to sharpen her skills on the marimba. The freshman music student has been playing percussion instruments since seventh grade. The School of Music faculty regularly use the recital hall in the building for performances.

Photo: Greg Grieco

Thursday, Dec. 7, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The Trombone Choir consists of 25 students, most of whom are trombone majors in the School of Music.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in

Eisenhower Chapel. Coffee and tea will be provided.

Joint concert

The Symphonic Wind Ensemble and Symphonic Band will present a joint concert at 8 p.m. Thursday, Dec. 7, in Eisenhower Auditorium on the Univer-

sity Park campus. Dennis Glocke, associate professor of music, will direct both ensembles.

Tickets are \$5 general admission, \$3.50 for students and are available at the door before the performance or by calling (814) 863-0255.

Philadelphia Brass

The Philadelphia Brass will perform a holiday concert at Penn State McKeesport at 8 p.m. Dec. 1 in the Buck Union Building stage area. The program is free to the public.

The ensemble formed in 1988 and has toured nationally and in the British Isles. With three CD recordings to its credit, the ensemble has played on National Public Radio's "Performance Today" as well as radio stations across the United States and Canada.

For more information, call David Day at (412) 675-9010.

Seven brides

Penn State New Kensington will present a production of the musical "Seven Brides for Seven Brothers" at 8 p.m. Dec. 1 and 2 in the campus theater.

Tickets for the performance are \$7 and will be available at the door. Tickets also may be reserved by calling (724) 334-6716.

Jazz quintet

Jazz violinist Regina Carter brings her improvisational savvy to central Pennsylvania when the Center for the Performing Arts presents The Regina Carter Quintet at 8 p.m. Saturday, Dec. 2, in Eisenhower Auditorium on the University Park campus.

Carter's many musical influences give an eclectic voice to her violin. Her most recent recording, "Motor City Moments," pays homage to the music of her hometown.

Prices are \$22 for general admission; \$17 for students; \$7 for University Park students; and \$11 for children 12 and younger.

For tickets or more information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849, or check the Web at <http://www.cpa.psu.edu/>.

Holiday show at DuBois

Penn State DuBois will be host for a holiday show by Fieldstone and Friends at 7 p.m. Tuesday, Dec. 5, in the Hiller Building Auditorium on the campus.

The event is presented by the campus Cultural and Performing Arts Series, and admission is free to the public.

Fieldstone and Friends is an ensemble of musicians from the Elk County area of Pennsylvania that enjoy making ancient music come alive with a renewed modern spirit.

For more information about the performance, call Rebecca Pennington at (814) 375-4714.



University Park Calendar

December 1 - December 10

SPECIAL EVENTS

Saturday, December 2

The 10th Annual Holiday Ornament Exhibition and Sale, 10 a.m. to 4:30 p.m. Dec. 2, noon to 4 p.m. Dec. 3, Palmer Museum of Art.

Thursday, December 7

"Child of the Promise," 7:30 p.m., The Bryce Jordan Center.

MUSIC

Saturday, December 2

Richard Kennedy, tenor, faculty recital, 8 p.m., Recital Hall.

The Regina Carter Quintet, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, December 3

The Percussion Ensemble II, Doug Stephens, director, 4 p.m., Recital Hall. "Winterfest: A Choral Celebration," 4 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Monday, December 4

The Boston Pops, 8 p.m., The Bryce Jordan Center.

Wednesday, December 6

Musica Nova, concert, 8 p.m., Recital Hall. The Concert Band, Doug Stephens and Mark Yingling, directors, 8:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Thursday, December 7

The Penn State Trombone Choir, Mark Lusk, director, 12:10 p.m., Eisenhower Chapel.

The Symphonic Wind Ensemble and Symphonic Band, Dennis Glocke, director, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Friday, December 8

Dave Matthews Band with The Funky Meters, 7 p.m., The Bryce Jordan Center.

SEMINARS

Friday, December 1

Susan McCombs on "Application of Gene Transfer Technology to Arthropods of Economic Importance," 1:15 a.m., 11B Agricultural Sciences and Industries.

Dan Willms on "The Emerald City and the Architectural Imagination," 4 p.m., 301 Steidle.

Douglas Hofstadter on "Tatiana Was Not Alone: The Many Who Fell for Eugene O'Neill," 12:20 p.m., 102 Weaver.

Monday, December 4

Shunji Bandow on "Carbon Nanotubes," noon, 339 Davy Laboratory. Charles R. Platt on "Markets as Information Gathering Tools," 1:30 p.m., Board Room, The Nittany Lion Inn.



Come in out of the cold. The Palmer Museum of Art on the University Park campus is the home to many exhibits at this time of year. In addition, the 10th Annual Holiday Ornament Exhibition and Sale will take place in the museum Dec. 2-3.

Photo: Greg Grieco

Tuesday, December 5

Charles Zukoski on "Nanoparticle Assembly: Applications to Protein Crystallization," 10 a.m., 14D Fenske Laboratory. Chris Melior on "Time-Resolved Ballistic Phonon Studies in the Fractional Quantum Hall Regime," 3:30 p.m., 339 Davy Laboratory.

Jill Patterson on "From Focus Groups to Field Test: Developing Nutrition Education Materials for Child Care Professionals," 4 p.m., S-2D9 Henderson.

Shirley Tilghman on "Genomic Imprinting: Epigenetic Regulation of Mammalian Development," videoconference, 4:15 p.m., 1D1 Thomas.

Wednesday, December 6

Victoria H. Bedford on "Adult Sibling Relationship: Longitudinal Trends," noon to 1 p.m., 1D8 Wartik Laboratory.

Rachel Piloff on "Sick to Death: Genetic Analysis of dila, an Arabidopsis Disease Cell Death Mutant," 12:20 to 1:10 p.m., 1D8 Tyson.

Steven Kurtz on "Extending the Wavelength of GaAs Based Optoelectronics with the 'Impurity' Semiconductor in GaAsN," 3:35 p.m., 114 Earth Engineering Sciences.

Thursday, December 7

Andrew Bocarsly on "Cyanogenes: Classic Coordination Chemistry Meets Modern Materials Science," 12:15 p.m., S5 Desmond Laboratory. Keith Dilve on a subject to be announced, 4 p.m., 115 Desmond Laboratory.

EXHIBITS

HUB-Robeson Center

"Portals and Paths," sculpture by Eric W. Stephenson, through Dec. 6. Handmade original dolls by Marilyn McPherson, through Dec. 1D. "Crossing the Threshold: Elder Statewomen of American Art," through Dec. 9.

Kern exhibit area

"The DeForest Collection of Folk Pottery from the Matson Museum of Anthropology," through Dec. 7. "Germany: Divided and Reunited, 50 Years of Post-War German History," through today. "Zen Mind, Zen Art," through Dec. 13. "Twelve Beetle Ballyhoo," mixed-media boxes by Jennifer Philipoff, through Dec. 13.

North Halls exhibit area

"Hooked," by David Van Nguyen, oil paintings, through Dec. 1D.

Palmer Museum of Art

"From Nature to the City: American Modern Works on Paper," through Dec. 10. "Did Master Prints and Drawings from the Permanent Collection," Special Exhibitions Gallery I, through Dec. 1D. "Master Drawings from the Collection of Alfred Moir," Special Exhibitions Gallery II, through Dec. 1D. "An Interlude in Giverny: The French Chevalier," by Frederick MacMonnies, through Feb. 25. "Maps and Images of World War II," by Derrick Beckner, through Jan. 3.

Pattee Library

"Faces of Children," 1D9 Pattee, through Jan. 3.

Ritenour exhibit area

"Women First," photographs following the journeys of 16 HIV-positive women, through Dec. 6.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

BOOK SHELF

Sabih I. Hayek, distinguished professor of engineering mechanics.

Advanced Mathematical Methods in Science and Engineering, published by Marcel Dekker Inc.

Hayek has authored this book, designed to be a comprehensive reference/text for solving science and engineering problems. The book covers an extensive range of mathematical topics, including integral methods, field equation derivations and operations applicable to modern science systems. It features

tures more than 900 detailed examples and exercises, as well as appendices covering infinite series, special functions, curvilinear coordinate systems, generalized functions and plots of special functions. This book will be used as a textbook in several graduate-level engineering mechanics courses.

Vladimir M. Zatsiorsky, professor of kinesiology and director of the Biomechanics Laboratory. *Biomechanics in Sport: Performance Enhancement*

and Injury Prevention. The IOC Encyclopedia of Sports Medicine. v. IX. Oxford, UK: Blackwell Science, 2000.

Zatsiorsky edited this book written by 37 experts from 11 countries. The book is divided into six parts: muscle action in sport and exercise; locomotion; jumping and aerial movement; throwing and hitting; injury prevention and rehabilitation; and Special Olympics sports. The foreword is by **Juan Antonio Samaranch**, president of the International Olympic Committee.

One student at a time

Best practices for recruiting underrepresented grad students

Recently, the University shared in the recognition as the Big Ten's Committee on Institutional Cooperation (CIC) Summer Research Opportunities Program (SROP) won the U.S. Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. The award honors individuals and organizations that have been exemplary in inspiring and encouraging minorities, women and people with disabilities to pursue careers in these fields.

Through the SROP, undergraduate students from underrepresented groups spend a summer participating in an in-depth research experience, working one-on-one with a faculty mentor. All SROP students on the host campus meet weekly as a group for educational enrichment activities and special seminars. In July, participants from all of the CIC campuses come together for an annual SROP conference. Last summer, 34 students participated in the SROP at Penn State.

"Two of those SROP students are now enrolled here in graduate programs. Another student has confirmed that she will be enrolling next year as the result of her SROP experience. I would like to have 40 SROP students here during the summer of 2001," said Evelynnn Ellis, director of the Office of Graduate Educational Equity.

Since the SROP began in 1986, the number of students from underrepresented groups earning Ph.D. degrees at CIC institutions has increased by 54 percent. The SROP is accomplishing what it was designed to do but a closer look at the statistics shows that more still needs to be done.

In the most recent report on graduate enrollments at CIC institutions, Penn State, with 13 percent of total graduate enrollment derived from members of underrepresented groups, is clustered in the lower half of the Big Ten pack, with Indiana University (12.9 percent), Ohio State (14.3 percent), the University of Wisconsin-Madison (11.9 percent) and the University of Wisconsin-Milwaukee (13.5 percent).

Good, but not enough

The SROP, as good as it is, can't do it all. As the Ad Hoc Committee on Diversity in Graduate Student Recruitment and Retention (DGSRR) noted in its recent report, "There is no silver bullet, no single approach that could resolve all issues." The committee was established earlier this year by Eva Pell, vice president for research and dean of The Graduate School, "to ensure that Penn State's graduate programs are engaged in best practices to recruit and retain the most highly sought-after graduate students from underrepresented groups."

In its report, the committee recommended that "deans, associate and assistant deans, department heads, program directors and faculty member become more aware of and involved in the Summer Research Opportunities Program."

The committee also recommended that "Penn State should continue and strengthen partnerships with historically black colleges and universities and expand relationships with Hispanic-serving institutions and tribal colleges."

"I think sometimes faculty members forget how key they are in recruiting. Unless faculty members are part of the process, we can't be successful. Faculty members have to be willing to spend time with these students."

Evelynnn Ellis, director
Office of Graduate Educational Equity

In addition, the report pointed out that "partnerships should not be limited to educational institutions; they also should be developed with business and industry to facilitate fellowships, internships, information exchange, job placement and other mutual benefits."

These recommendations already are being pioneered by units throughout the University. While there isn't one, all-purpose, consistently effective program for recruiting African-American, Mexican-American, Native American, Puerto Rican-American and other Hispanic-Americans, these pioneering units are showing that there are best practices that work.

Model program

Sarah H. Guelnder, director of the School of Nursing, has launched a partnership with Dillard University, a historically black school in New Orleans. She credits Alaine Marks, a former nursing faculty member based at The Hershey Medical Center, with identifying Dillard as a potential partner. Marks, who originally is from New Orleans, had participated in programs at Dillard and knew that the college had a well-respected undergraduate nursing program but no graduate programs.

The Dillard-Penn State linkage has been running for two years now and has brought two students currently enrolled in the master's degree program to Penn State and two more students considering admission offers.

The program brings a Dillard faculty member to the University as a visiting Minority Scholar for the summer to teach at University Park. The Milton S. Hershey Medical Center and other campuses. The faculty member then identifies two junior nursing students who are in the top 10 percent of their class to spend the summer, under the direction of a mentor, exploring Penn State's graduate offerings.

Guelnder said bringing two students and a faculty member to campus simultaneously is key to maximizing their comfort level.

Ellis agrees, and adds that bringing students to campus is a particularly effective tool, especially if they can form relationships with faculty members while they are here.

"I think sometimes faculty members forget how key they are in recruiting. Unless faculty members

are part of the process, we can't be successful. Faculty members have to be willing to spend time with these students."

According to Joyce Hopson-King, director of the College of Health and Human Development Office of Diversity Enhancement Programs, "It is collaboration among college units and the office of diversity enhancement that stretches available dollars and builds alliances."

Guelnder said the system works.

"None of these things required 'big money,' just committed faculty members and a few small grants. We're proud of what we've done. When it starts working, you get the momentum going."

Building momentum

The momentum has been going in the College of Engineering and the Applied Research Laboratory (ARL) as well. ARL has had a linkage with Tennessee State University since 1997. Currently, that university's College of Engineering Technology has designated Penn State as its graduate program of choice.

In 1998, ARL established the Summer Faculty Research and Minorities in Research Summer Internship Program as a means to strengthen research partnerships with TSU faculty and students. ARL has since expanded the program to include faculty and students from North Carolina A&T State University, Morgan State University and Alabama A&M State University, a co-member on an Electro-Optics consortium. To date, three faculty members and 14 students have participated in the program. Two former interns currently are enrolled in master's programs at Penn State and hold assistantships with ARL, while two are awaiting letters of acceptance.

Additionally, ARL recruits students from underrepresented groups to apply for two fellowships established in 1998. Fellowship awardees have been graduates of Tennessee State University and Morgan State University.

The College of Engineering also is in its second year of the GE Fund Faculty for the Future Program. The program reaches out to promising women and students of color through a variety of programs including fellowship, undergraduate research opportunities, a graduate recruiting activity for college juniors and a GE Fund searchable Web site for prospective faculty and graduate student candidates from underrepresented groups.

Share program successes

"Undoubtedly, there are more programs in operation throughout the University in addition to the few excellent examples described here," Ellis said. "We invite those who have been successful to share their initiatives with us in the Office of Graduate Educational Equity so that we can share them with others. Working together will enable us to significantly increase the numbers of graduate students from underrepresented groups the best possible way — one student at a time."

Internal search currently under way for director of STS program

The College of Engineering has opened an internal search for an associate professor or professor to serve as director of the Science, Technology and Society Program at the University Park campus.

Fixed-term and tenured faculty may apply. Prior experience with the STS

Program is not required but is desirable.

The director will be responsible for the administration of the program and also will have teaching duties. The program currently offers approximately 20 courses per year and reaches 1,500 students with a mix of fixed-term and associated tenured faculty.

The candidate must possess a broad academic background relating science and technology to societal issues; strong communication skills; and a leadership style that encourages interdisciplinary collaboration and teaching. Salary will be commensurate with qualifications and background.

Submit a cover letter, references and curriculum vitae by e-mail to: Jack Matson, chair of the search committee, at jm4@psu.edu.

Deadline for applications is Jan. 8, 2001.

For more information, check the Web at <http://www.engr.psu.edu/sts/>.



Appointments

Public Information welcomes Intercom associate editor

Julie A. Brink has been appointed associate editor of *Intercom* in the Department of Public Information.

Brink replaces Annemarie Motz, who was promoted to manager of internal communications and editor of *Intercom*.

In her new role, Brink will assist the editor in guiding the production of *Intercom*, the University's faculty/staff newspaper, and aid in the production of the Employee Newswire. In addition to her role with *Intercom*, she will be responsible for writing press releases for the department and writing and designing various other internal publications.



Julie A. Brink

Before coming to Penn State, Brink worked for the *Centre Daily Times*, first as a copy editor on the news desk, then as assistant features editor. She also designed, edited and produced Book Beat, the *Times*' book page, and instituted the *Centre Daily Times* Readers' Book Club. Brink serves on the Keystone Books advisory board of the University Press.

Before that, she was a reporter and photographer for *The Progress* in Clearfield.

Brink earned a bachelor of arts degree in journalism from Indiana University of Pennsylvania.

Penn State Schuylkill welcomes counseling coordinator

Melinda M. Anthony has been appointed coordinator of personal and career counseling at Penn State Schuylkill.

A graduate of Albright College with a baccalaureate degree in psychology and marketing, Anthony holds a master's degree in counseling psychology and Human Services from Chestnut Hill College.

Most recently a mental health therapist for Operation PLUS in Pottsville, she provided individual, group and family therapy. She has served as a lead



Melinda M. Anthony

therapist for the partial hospitalization and school-based programs of the Regional Development Corp. as well as a psychotherapist and mobile crisis worker.

Anthony has received specialized training in multicultural counseling and is experienced in group therapy for all age populations.

In this new position, she will be responsible for personal counseling, career services and the initial assessment of students in need of services under the Americans with Disabilities Act.

Senior director named for Outreach Marketing

William E. Minor, senior vice president of marketing for the Ohio Casualty Insurance Group in Cincinnati, has been appointed senior director for Outreach Marketing with Outreach and Cooperative Extension.

He brings to this position more than 20 years of executive-level experience.

Minor will be responsible for developing innovative marketing strategies to promote the outreach activities of the University, with a special focus on continuing and distance education programs. He also will serve as a resource for Penn State Public Broadcasting and Penn State Cooperative Extension and as a member of the senior Outreach and Cooperative Extension leadership team and the Vice



William E. Minor

President's Council. In addition, he will be responsible for the oversight and integration of the offices of Marketing Communications, Marketing Research and Client Development.

At Ohio Casualty Insurance Group, he reported to the chief executive officer. He joined Ohio Casualty in 1996. Previously, Minor held management positions with worldwide advertising agencies J. Walter Thompson Advertising, Young & Rubicam Communication and Tracy-Locke/DB Advertising.

Minor earned his bachelor of arts degree, with honors, from the University of Arizona in 1976 and completed the Executive Management Program at the University of Michigan in 1997.

College of Education appoints development director

The College of Education has appointed Ellie Dietrich as director of development and institutional advancement.

She comes to the college from the Penn State Alumni Association, where for the past seven years she has been director of program development and enrichment. Dietrich has a strong background and interest in alumni relations, and her expertise in this area will benefit the college in addition to her skills in development.

Dietrich received her bachelor's degree in education from the University of Wisconsin-Stout and has completed postgraduate study in design and career development theory. She has



Ellie Dietrich

been a secondary teacher in Wisconsin, worked in training and development with IDS Financial Services and managed a career development program in Minneapolis.

She began her career in higher education at the University of St. Thomas (St. Paul) as the program director of Graduate Career Services. In 1987 she became director of career planning at St. John's College in Annapolis, Md., and then moved to college relations within the U.S. General Accounting Office. She came to Penn State in 1991 as an MBA career specialist. She has been with the Alumni Association since 1993.

PRIVATE GIVING

Family endows chair in international agriculture

Real estate developers Helen and Alex Woskob of State College have endowed the Woskob Family Chair in International Agriculture with a gift of \$1.5 million to the College of Agricultural Sciences.

The distinguished faculty member who will be appointed to the Woskob Chair will focus on creating partnerships in the Republic of Ukraine for student and faculty exchanges, and for collaborative research on improving the production and marketing of agricultural commodities.

Natives of Ukraine, the Woskobs are founders and co-owners of State College-based A.W. and Sons Enterprises. Since 1963, they have developed numerous real estate projects in Centre County, including housing for thousands of Penn State students.

The Woskobs have a long history of support for higher education. In 1992, they established the Ukrainian Agricultural Exchange Program, enabling collaboration between the College of Agricultural Sciences and the Ukrainian Agricultural Academy. They have been involved in the University's Ukrainian Studies program and have served on the advisory board of the Centre for Ukrainian Agriculture.

The holder of the Woskob Chair in International Agriculture will be appointed by the University's executive vice president and provost on the recommendation of the dean of the College of Agricultural Sciences. By providing additional support for instruction, research and public service, faculty endowments help Penn State to recruit and retain world-class scholars.

State College-based law firm endows cultural learning initiative

The State College-based law firm of McQuaide Blasko has pledged \$300,000 to fund the McQuaide Blasko Performing Arts Series in the Center for the Performing Arts.

The endowment, which will support programming devoted to children and families, will be merged with a previous endowment from the firm to create a new program called Cultural Learning Initiative with McQuaide Blasko (CLIMB).

CLIMB will support the center's efforts in identifying and presenting outstanding children's performing arts programs. It also will provide opportunities for central Pennsylvania chil-

dren to experience the performing arts by attending performances at the center and interacting with individual performers as part of their in-school educational experience.

McQuaide Blasko's previous endowment, known as Kidz 'n' Starz, supported an artist-in-residence program that has brought together local children and artists performing at the center.

McQuaide Blasko, which employs 28 attorneys and 40 other professional staff, is the largest general practice law firm in Centre County. The firm also serves Dauphin and Cumberland counties through an office in Hershey.

PROMOTIONS

Technical Service

Travis T. Banyalk, maintenance worker general in Housing and Food Services
Joanne E. Berrier, café assistant at Penn State Dickinson School of Law
Sharon L. Bryner, snack bar attendant in Housing and Food Services at Penn State McKeesport

Robert E. Davis, maintenance worker utility at Penn State Wilkes-Barre
Norman C. Eger, maintenance worker general in Housing and Food Services

Cary J. Gerchman, catering attendant in Housing and Food Services

Melissa P. Hagenbuch, residence hall utility worker in Housing and Food Services

Bradley A. Mahen, boiler operator/mechanic in College of Earth and Mineral Sciences

Shirley A. Stouffer, snack bar/janitorial worker A in Housing and Food Services at Penn State Altoona

Robert O. Torrence, general helper-repairer in Housing and Food Services at Penn State Beaver

Marty S. Yetter, physical analyst in Office of Water Plant and



Awards

Professor wins Black Award for Excellence in Research

Sridhar Komarneni, professor of clay mineralogy in the College of Agricultural Sciences, has received the 2000 Alex and Jessie C. Black Award for Excellence in Research. As part of the award, he delivered the Black Award Lecture at a college faculty meeting.

Komarneni has distinguished himself with research into both basic and applied aspects of clay mineralogy, including the study of nanostructures of clays and other minerals, and ascertaining the origin of clay and quartz minerals in soils. His lecture topic was "Novel Clays



Sridhar Komarneni

and New Functions of Old Clay."

He has discovered a new family of calcium aluminosilicate cation exchangers, which are clay minerals. He has synthesized new clays, producing materials previously thought impossible to fabricate.

Komarneni also patented a method of storing radioactive waste using the materials he developed.

Retired professor Alex Black and his wife, Jessie, endowed the Black Award for Excellence in Research to recognize significant accomplishments in agricultural research at Penn State.

Math instructor wins teaching award

Pay Jester, instructor of mathematics, has received this year's Mary Lister McCammon Award for Distinguished Undergraduate Teaching, presented by the Department of Mathematics.

The annual award, established to honor Mary McCammon, professor emerita of mathematics who taught more than 40 years at Penn State, honors an outstanding mathematics teacher who works primarily with freshmen and sophomores.

Jester, a mathematics instructor at the University since 1980, has a distinguished record of service to mathematics education. She served as

coordinator of all precalculus courses for the department from 1998 to 2000, academic coordinator for the College Academic Migrant Program from 1993 to 1995 and director of the Penn State Regional Upward Bound Math and Science Center from 1991 to 1993.

She worked with the Developmental Year Program, both as an instructor and mathematics coordinator, for many years, and has taught at Rockwell State Continuing Education for Penn State Berks.

Staff assistant gains University-wide award

Darlene Mancini, staff assistant in the admissions office at Penn State Beaver, was awarded the Staff Assistant Excellence Award by the Undergraduate Admissions Office.

The award recognizes the outstanding performance of a support staff member who has demonstrated team spirit, dedicated commitment to cus-

tomers service and overall professionalism.

Mancini was selected from a group of candidates from across the University system and received the award at the Undergraduate Admissions Fall Conference, held at University Park.

Mancini has been employed at Penn State Beaver since 1999.

OBITUARIES

Edgar T. Ellis Jr., senior designer, elector mechanic in the Applied Research Laboratory, from March 1, 1951, until his retirement June 30, 1984; died Oct. 21, at the age of 73.

George H. Fleming, professor emeritus of chemistry in the Eberly College of Science, from Sept. 23, 1931, until his retirement July 1, 1964; died Oct. 20. He was 93.

Norma J. Kane, accounting clerk at Penn State Erie, from Aug. 22, 1966, until her retirement Sept. 1, 1986; died Oct. 8, at the age of 75.

MacKenzie "Mac" L. Keith, professor emeritus of geochemistry, 88, died Nov. 6.

Keith received bachelor of science degree at the University of Alberta, Canada, in 1934, his master's of science in geology at Queen's University in Kingston in 1936 and his doctorate in geology at M.I.T. in 1939.

Before coming to Penn State, Keith spent 15 seasons on geological fieldwork for the Geological Survey of Canada, Ontario Department of Mines; from 1940-47 he was a lecturer and assistant professor at Queens; and from 1947-50 he worked as a petrologist at the Geological Lab of the Carnegie Institute in Washington, D.C.

Keith began his tenure at Penn State in 1950 as an associate professor and later became a full professor. He served as director of the Mineral Conservation Section in the College of Earth and Mineral Sciences. He retired with emeritus status in 1978.

Keith was involved in a number of research projects including the development of the synthesis of silicon free synthetic garnets. This work preceded work where industrial garnets were discovered. In addition, he authored more than 40 articles in professional journals.

Donald E. Meyers, lead painter in the Office of Physical Plant, from Sept. 13, 1962, until his retirement Jan. 1, 1989; died Oct. 30. He was 65.

Verna Miller, residence hall worker in Housing and Food Services, from Oct. 24, 1972, until her retirement April 5, 1986; died Oct. 11, at the age of 76.

Bernice L. Packer, senior milk testing machine operator in the College of Agricultural Sciences, from July 1, 1964, until her retirement Nov. 1, 1980; died Oct. 22. She was 79.

Ruth C. Price, staff assistant IV in The Nittany Lion Inn, from Dec. 1, 1978, until her retirement July 1, 1997; died Sept. 1, at the age of 72.

Frederick W. Lampe, 73, professor emeritus and former head of the Department of Chemistry, died Wednesday, Nov. 8.

Born Jan. 5, 1927, he served in the U.S. Navy as a gunner's mate aboard the U.S.S. Lake Champlain from 1944 to 1946.

Lampe earned his bachelor's degree at Michigan State College in 1950 and his master's and Ph.D. in chemistry at Columbia University in 1951 and 1953 respectively.

He joined the Penn State faculty as an associate professor in 1960. Lampe was promoted to full professor in 1965 and became assistant head of the department in 1978. He served as head of the Department of Chemistry from 1983 to 1988, and retired as professor emeritus in 1992. He previously had served for seven years as a research chemist at Humble Oil and Refining Co. in Baytown, Texas.

Lampe also had held visiting professorships at the University of New Hampshire; the Albert-Ludwig Institute in Freiburg, Germany; and the Hahn-Meitner Institute for Nuclear Research, Berlin. He won a National Science Foundation Senior Postdoctoral Fellowship, a U.S. Senior Scientist Award of the Alexander von Humboldt Foundation in Bonn, Germany, and a Robert A. Welch Foundation Lectureship in Houston. In addition, Lampe held five patents and was a contributor to more than 160 research papers.

Web-based lecture series brings insurance experts into classroom

Internationally known actuaries and insurance experts are being welcomed into university classrooms through an interactive, Web-based lecture series developed by a faculty member.

Arnold F. Shapiro, professor of actuarial science and insurance and the Robert G. Schwartz Faculty Fellow in The Smeal College of Business Administration, created the series, featuring experts in finance, mathematics, actuarial science and insurance.

"The goal of our guest lecturer series is to bring experts from around the world into the classroom on demand," Shapiro said. "When an instructor is discussing a particular topic, he or she can have an internationally known expert available to the students."

Shapiro said that this series format is the wave of the future.

"One day, you'll be able to get on the Web and go to experts in any area and listen and interact with them. Courses and, perhaps, more of some university offerings will be done entirely this way. It is very interesting and very challenging, and I'm very keen on being a part of it."

The first module in the series, "Mathematical Paradigms in Insurance and Finance," features Hans Buhlmann, one of the best-known actuaries in the world. It has received plaudits from both industry leaders and university faculty members.

Shapiro has been employing a multi-media approach in the classroom in an effort to improve teaching since 1990. Last year, while on sabbatical leave, he visited experts with whom he wanted to work in England, Scotland, Israel, Switzerland and Belgium, and videotaped lectures for the series.

He has used the first lecture in an undergraduate insurance/actuarial course on "Loss Models."

"The reaction was positive," he said. "After the first day, the students went to the computer lab to view it on their own. We then discussed the lecture and its concepts and how our course could incorporate the concepts."

Shapiro said he hopes that eventually, the lectures will become part of a database and will be available through a central clearinghouse so that anyone in the world can have access to it at any time.

The first module in the series can be accessed on the Web at http://www.smeal.psu.edu/faculty/afsl/GLS/index_Buhlmann_GLS.html. The second in the series, "Social Security: The Great Debate," features Robert J. Myers and A. Haeworth Robertson. It is expected to be available during December.



Penn Staters

Douglas Arnold, distinguished professor of mathematics, has been elected to a one-year term as chair of the board of governors of the Institute of Mathematics and its Applications. The board oversees the activities of the institute and approves its budget and scientific programs.

A. Welford Castleman Jr., holder of the Eberly Family distinguished chair in science and Evan Pugh professor of chemistry and physics, was a plenary lecturer at a symposium sponsored by the Nobel Foundation on Cluster Physics, held in Visby, Sweden. The symposium provided the opportunity for a few selected graduate students and exceptionally promising young scientists to attend, breaking with tradition. **Karin Zemski**, a graduate student in Castleman's research group, was selected for this honor.

Wolfgang Ernst, professor of physics and chemistry, has presented three invited talks and chaired and organized a special international symposium. His latest lecture, titled "From Atoms to Clusters-Aggregation Controlled by Quantum Mechanics," was presented at the 50th anniversary of the Austrian Physical Society in Graz, Austria. Before that, he presented "Frequency Domain Spectroscopy of Alkali Oligomers on Helium Nanodroplets" at the 220th National Meeting of the American Chemical Society and "Optical Spectroscopy of Molecules in Helium Nanodroplets" at the Fourth International Workshop on Quantum Fluid Clusters in Bavaria, Germany. In addition, he chaired and organized a "Special Symposium on Vibrionic Interactions" as part of the 55th International Conference on Molecular Spectroscopy.

Glenn Firebaugh, professor of sociology and demography, presented a two-day workshop on "Studying Change over Time with Longitudinal Survey Data" in November in Mannheim, Germany. The workshop was attended by social scientists throughout Europe.

David H. Goldenberg, Penn State Mont Alto CEO, received the Distinguished Alumnus Award on Nov. 5 from University of Hartford, West Hartford, Conn. The award recognized Goldenberg's advancements in information sciences and technology.

Gabriela Gonzalez, assistant professor of physics, gave an invited talk on "Angular Noise in Gravitational-

Wave Detectors" at the Marcel Grossman International Meeting on Gravitation held in Rome.

Roy Hammerstedt, professor emeritus of biochemistry, has been elected a Fellow of the American Association for the Advancement of Science. He has been selected for his accomplishments in "the application of chemical and physical principles to biological systems, especially male reproduction." Hammerstedt was honored for work involving his company, Bio-Pore Inc. of State College, and the University.

Nigel Higson, distinguished professor of mathematics, has been elected as a Fellow to the Academy of Sciences of the Royal Society of Canada. Fellowship in the Royal Society of Canada is considered Canada's senior academic accolade. Higson was one of 66 Fellows elected this year.

W. Larry Kenney, professor of physiology and kinesiology in the College of Health and Human Development, presented a keynote talk on heat stress and aging at the 20th International Symposium on Physiological Evaluation of Working Capacity in Aged Laborers. The conference was held in Kitakyushu, Japan.

Martin J. Kilduff, professor of organizational behavior and Ph.D. adviser in the Department of Management and Organization in The Smell College of Business Administration, has been appointed associate editor of The British Journal of Management. The journal, the official journal of the British Academy of Management, publishes articles from the full range of business and management disciplines.

Zi-Kui Liu, assistant professor of materials science and engineering, has been named the next editor-in-chief of the CALPHAD Journal, an international research journal devoted to the calculation of phase diagrams for materials applications in the metallurgical, polymers, electronic and nuclear fields, among others. Formerly an assistant editor for the publication, Liu will assume his new duties Jan. 1.

Raj Mitta, professor of electrical engineering, visited the Ecole Polytechnique in Lausanne, Switzerland, where he presented a seminar on radio frequency and wireless circuit design.

Donna S. Queeeny, professor of adult education, has won the 2000 Leadership Award from the Association for Continuing Higher Education.

Joan M. Redwing, assistant professor of materials science and engineering, received a Young Author Award from the American Association for Crystal Growth during its recent American Conference on Crystal Growth and Epitaxy. She was also an invited organizer for the 2000 IEEE/Cornell University Conference on High Performance Devices.

Manini Nayar Samarth, lecturer in English and women's studies, is one of 10 winners of the British Broadcasting Corp.'s World Service International Short Story Competition 2000. Her story, "Precious," is about an immigrant with terrorist ties who explores his contrary impulses toward violent retribution and peace.

Keith B. Wilson, assistant professor of education, was presented with the Outstanding Research Award from the Pennsylvania Counseling Association at its annual conference and awards luncheon in Harrisburg.

The National Research Corp. has announced that the **Milton S. Hershey Medical Center** is a 2000 Consumer Choice Award winner. This marks the second consecutive year that the medical center has been ranked the top-rated hospital in the Harrisburg metropolitan statistical area, as defined by the U.S. Census Bureau. The medical center was named Harrisburg's Most Preferred Hospital for Overall Quality and Image in NRC's 2000 Healthcare Market Guide.

The **Penn Stater** magazine won two awards at the Gold Circle Awards competition sponsored by the American Society of Association Executives. Two certificates of achievement (silver medals) were presented in the magazines category and the feature writing/general interest category for the article, "They are ... Penn State?" by Christopher McDougall. The magazine's "Looking for Lost Time" opening spread received a gold award at the University and College Designers Association Show, where the piece was selected for exhibition.

NEW AT PENN STATE

Penn State Erie students get new digital editing equipment

Communications students in the School of Humanities and Social Sciences at Penn State Erie will benefit from more than \$60,000 worth of new digital video editing equipment installed this semester.

In addition to enhancing students' classroom and lab experiences, these new tools will prepare students to move directly from the classroom and lab to employment in graphics or video production studios in television, advertising, and public relations.

The equipment will be placed in six small editing suites in the lower level of the library. In contrast to the mechanical system that students used previously, the new desktop editing apparatus takes little space, according to John Kerwin, assistant professor of communication. The systems are totally computerized, so there are no mechanical parts to adjust.

The new editing tools also will mean a change in course work, Kerwin said. Proposals are now under way to upgrade the courses that include graphic design, animation and video editing.



Sunny Webb, a sophomore communications major at Penn State Erie, takes a turn at one of the six new digital editing units recently purchased by the campus for use by communications students in the School of Humanities and Social Sciences.



Focus on Research



Graduate student Brandon Dugan, left, and Peter Flemings, associate professor of geosciences, right, used computer simulations to study pressurized water trapped in the sediments on the floor of the continental slope off the coast of New Jersey. The study found a potential for underwater landslides if the pressurized water was expelled violently.

Photo: Greg Gietto

Undersea landslides may be triggered by pressurized water

By BARBARA HALE
Public Information

University analyses of the continental slope about 100 miles off the northern New Jersey coast show that water trapped in sediments there is highly pressurized and, if expelled violently, could cause undersea landslides.

Those landslides, in turn, can produce tidal waves.

Peter B. Flemings, associate professor of geosciences and director of the research team, said his research focused on the layered sediments and "found a potential for water trapped there under pressure to surge out and cause landslides or to seep out slowly."

The research was detailed in a paper, "Overpressure and Fluid Flow in the New Jersey Continental Slope: Implications for Slope Failure and Cold Seeps." The authors are Brandon Dugan, a doctoral candidate in geosciences, and Flemings, who also is director of both the Penn State GeoFluids Consortium and the Penn State Petroleum GeoSystems Initiative.

The site the researchers focused on is the continental slope, a narrow region of steeply angled sea floor that connects the continental shelf, where the water is hundreds of feet deep, to the deep ocean floor where the water depths exceed many thousands of feet. In their analyses, Flemings and Dugan showed that the slope off New Jersey might be only marginally stable as the result of the water trapped under high pressure in the layered sediments there. Even a small shaking, from a mild earthquake, for example, could trigger release of the pressurized water and produce significant landslides. More importantly, the possibility exists that the water trapped under high pressure could trigger landslides independently, without an earthquake, and without warning.

Other researchers recently identified cracks in the continental slope off the Maryland, Virginia and North Carolina coast and cautioned that the rifts there could set off undersea landslides and subsequent tidal waves. In newspaper interviews, these researchers attributed the cracks to explosions of gas

trapped under sediment layers on the continental shelf. The researchers offer another possibility—water trapped under high pressure.

In the study, the researchers used a computer simulation they developed and the techniques and analyses commonly used to help the oil industry predict the location of zones where water is trapped under high pressure in undersea sediment layers. When crews conducting undersea oil drilling sink a well into one of these areas, the high pressure can cause "blow outs" that send water and sediment up to the sea floor or up to the drilling platform.

The researchers used data gathered by Flemings and other researchers during an expedition aboard the research ship D/V JOIDES Resolution in 1997. They were trying to study the history of sea level and climate change recorded in the layers of sediment in the continental shelf and slope. They bored holes in the shelf and slope and removed cores which showed the pattern of sedimentation caused by changing sea levels over millions of years.

ID of retrovirus component may lead to new drug targeting many viral diseases

Researchers at the College of Medicine have identified a component of the little-understood machinery that allows retroviruses to exit or bud from the cell surface before re-infecting a new cell, which may offer a new target for the development of a single antiviral drug for a wide spectrum of viral diseases such as AIDS, rabies, ebola, measles, mumps or influenza.

The research points to a role for ubiquitin, a 76-amino acid polypeptide, as crucial to budding (the maturation and release of a virus from the cell surface). Researchers are Akash Patnaik, a candidate for medical and doctoral degrees; Vincent Chau, professor of cellular and molecular physiology; and John Wills, professor of microbiology and immunology.

The research shows that ubiquitin is part of the machinery required for retrovirus budding. Reviewers called the results "important and ground-breaking."

Wills, professor of microbiology and immunology in the College of Medicine, said a virus must mature and "pinch off" a cell membrane before it becomes infectious. This pinching-off process is called budding. In previous research,

the researchers identified the Gag (groups specific antigen protein) as the viral-encoded machinery that produces buds. Unfortunately, understanding how Gag works is half the story. Scientists also needed to know what the cell requires for budding to take place. This current research shows that cells require ubiquitin for budding to take place.

The possibility of interrupting the budding process marks the significance of this research.

This study follows research published 10 years ago that showed that Rous sarcoma virus (RSV), a retrovirus common to chickens, contained unusually large amounts of ubiquitin. In the intervening decade, other scientists have identified ubiquitin in other retroviruses including HIV. Wills believes that RSV, HIV and other enveloped retroviruses such as Ebola and rabies, use ubiquitin in similar manners.

"If these viruses use a common mechanism for virus budding, this raises the possibility of developing a single antiviral drug for a wide spectrum of viral diseases. This is rather like the idea behind broad-spectrum antibiotics, where one drug can be effective against more than one strain of bacteria," Wills said.

"If these viruses use a common mechanism for virus budding, this raises the possibility of developing a single antiviral drug for a wide spectrum of viral diseases."

John Wills



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Time for finals



Before the weather became more winterlike, Rebecca Deering took her studying outside to the patio behind the HUB-Robeson Center on the University Park campus. Students are now studying hard for final exams. Fall semester classes end Dec. 8, with study days scheduled for Dec. 9 and 10, and final exams set for Dec. 11-15.

Photo: Greg Grieco

Penn State, Ohio State, Wisconsin announce engagement partnership

By CELENA E. KUSCH
Outreach Communications

Three major Big Ten universities have forged a partnership to support university outreach and engagement. Penn State, The Ohio State University, and the University of Wisconsin-Extension will sponsor a series of national conferences to share and explore best practices for institutions of higher education which conduct outreach and public service.

James H. Ryan, vice president for Outreach and Cooperative Extension, explained the importance of this partnership.

"For centuries colleges and universities have met society's needs by pushing the limits of research and by educating generations of professionals. In today's information society, we must do more. Our universities are adopting new, community-focused models to fulfill our social responsibilities, communi-

cate new research directly with the audiences who need it and ensure that our scholarship is relevant to current challenges facing individuals, organizations and communities," he said.

"The partnership between our three institutions and the conferences that come out of it will help all colleges and universities achieve these goals," Ryan said.

The conference series is targeted to college and university leaders and faculty interested in engaging their expertise with those outside the academic community through cooperative extension, continuing education, distance education, technology transfer, governmental affairs, university relations, public broadcasting and other activities. The goal will be to provide practical tools for implementing this change in higher education.

"By bringing together some of the most respected outreach scholars and practitioners in these areas, we can

share our most successful approaches and learn how other institutions are facing today's emerging challenges, said Kevin P. Reilly, chancellor of the UW-Extension.

The first of the sponsored conferences, Outreach Scholarship: Learning, Discovery, and Engagement, will take place Oct. 14-16, 2001, at The Penn State Conference Center Hotel on the University Park campus. This will be the second conference focusing on best practices in outreach and public service held at Penn State.

Future conferences will be held each at Ohio State in October 2002, at UW-Extension in October 2003 and again at Penn State in October 2004.

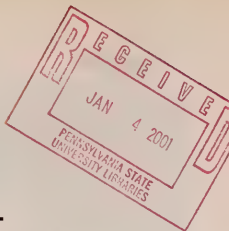
For details about the Outreach Scholarship conference, call Jeri Childers at (814) 865-7679 or e-mail jyc4@outreach.psu.edu. More information about the conference is available at <http://www.outreach.psu.edu/C&I/OutreachScholarship2001>.



Intercom

INFORMING THE PENN STATE COMMUNITY

DECEMBER 7, 2000



Student's poster gives strong visual representation to powerful message

By **TYSEN KENDIG**
Public Information

Li Lam's earliest recollection of a budding artistic talent involved splashing a paintbrush across a blank page, creating images limited only by the imagination of a grammar school dreamer.

It was a love she carried with her throughout her childhood near Biloxi, Miss., honed during her teenage years and adapted as she entered college.

"I used to paint quite a bit," said

Lam, now a senior in the graphic design program and far removed from her primitive childhood

University Park observance to have different focus.....4

Events listing.....5

easel. "Painting is more intuition. Graphic art is more rationale and reason. It's a problem-solving process."

When the University's Martin Luther King Jr. commemoration committee again called upon Lanny Sommese's graphic design class to come up with posters to portray the theme of next January's program, Lam saw an opportunity to combine her passion of the past with her skills of the present.

The result was the overwhelming choice by the committee to provide the image that will be attached to the upcoming commemoration through numerous posters, fliers and buttons that will be appearing across campus in the coming weeks.

The design features a black and white silhouette of marchers depicted in the familiar civil rights-era photograph by James Karales. Above the stark image is a vibrant watercolor rainbow set against a purple-gray sky and descending into an American flag carried by one of the marchers in the photo image.



Li Lam, a student in a class taught by Lanny Sommese professor of art, designed this year's Martin Luther King Jr. Commemoration image, which will be reproduced in a variety of sizes.

Photo: Greg Grieco

Newspaper readership program is going strong

By **AMY NEIL**
Public Information

Three years ago, at the suggestion of President Graham B. Spanier, Penn State began providing free newspapers — *The New York Times*, *USA Today* and a local newspaper — to students living in campus residence halls at University Park and eight other campuses. What was once an experiment is now the largest newspaper readership program at any university in the nation.

The expanded Newspaper Readership Program, instituted this fall, offers free newspapers to all students living both on and off-campus, and is funded by student tuition. As a result, more than 11,900 newspapers are read each day by students systemwide.

"The purpose of the program is to help students develop a more com-

Newspaper, page 2

Center gets new home, external relations director

By **TYSEN KENDIG**
Public Information

For three decades, the Center for the Study of Higher Education at Penn State has been a stalwart among research organizations, helping to produce hundreds of highly skilled graduates while pursuing a fundamental mission of improving the basic elements of education: teaching, learning and achieving.

Today, the center is in the midst of a facelift that aims to strengthen its state and national role as an educational think tank and enhance the public perception of its purpose.

An interdisciplinary research organization based in the College of

Center, page 2

Center

Continued from page 1

Education and partnered with the higher education graduate program, the center engages researchers and policy leaders in examining the challenging issues that confront higher education. The scope of the center's research, scholarship and outreach activities embraces campus, state, national and international levels.

"The changing world of higher education technology, policy and practice requires creative and flexible responses from our team at the center," said James Fredericks Volkwein, director, professor and senior scientist at the center. "The complexities of education policy problems — current and anticipated, nationally and internationally — require teams of multi-disciplinary scholars and researchers with diverse perspectives and skills."

A key addition to the team who will help spearhead its progressive attitude is Helen Caffrey.

Caffrey, who played a pivotal role as coordinator of last July's successful National Governors' Association meeting in State College, was appointed as the center's new director of external relations.

Caffrey served in the University's office of governmental affairs as director of commonwealth relations since 1993, and gained a working knowledge of the center as its advisory board chair over the past two and a half years. Her primary focus in this new role will be to raise awareness of the center and its scholarly work.

"I'm very eager in this new challenge to help advance the capacities of the center and the University in the world of research as it applies to decision-making at various levels — whether it's institutional, systematic or public policy," said Caffrey.

Before coming to Penn State, Caffrey worked for 17 years in the Pennsylvania Senate as executive director of the Senate Education Committee. She also has served on the State Board of Education for more than 16 years.

This experience in basic and higher education — and the external perspectives gained from working with a legislative body and a policy-making group — has helped Caffrey identify certain project areas within the center that she would like to enhance.

"One of the things I have a personal interest in is making sure there's an alignment between the academic standards that states are putting in place for their K-12 systems, and making sure that at least the last standard is aligned with the expectations of colleges and universities," she said. "You don't want to have a sudden dis-

"One of the things I have a personal interest in is making sure there's an alignment between the academic standards that states are putting in place for their K-12 systems, and making sure that at least the last standard is aligned with the expectations of colleges and universities."

Helen Caffrey
director of external relations
Center for the Study
of Higher Education

connect in that continuum."

Along with a new face, a change of scenery also lies ahead for the center. This spring it will relocate from its current borough location on South Allen Street to a new campus suite in Rackley Building. Volkwein and Caffrey hope the new venue will reduce the detachment between the center and the University community.

"We are especially pleased about recent events," said Volkwein. "Helen's appointment is a strategic one which, when combined with our move on to campus, will help strengthen our connections not only to our educational research colleagues, but also to key national stakeholders."

"I'm hoping that the synergy of both being in the College of Education and located on campus will improve the dialogue between the center and the University, and will enrich what we both do," added Caffrey. "There's an awful lot of expertise in the faculty that can be drawn on to enrich some of the proposals we could put out and the research that we'd undertake."

The center consists of six appointed researchers and a varying number of additional faculty members who join the staff for certain projects based upon their research and expertise.

Current projects include assessing the effectiveness of distance learning, enhancing undergraduate engineering programs, examining the impact of faculty practices and institutional policy on student learning, and a study of issues facing disadvantaged students and their pathways to success in the completion of higher education. The group also comprises a well-known assessment institute that helps organizations build and implement quality assessment practices.



Keith Kowal, a freshman at University Park, picks up a paper from the Newspaper Readership Program rack on the ground floor of the HUB-Robeson Center. The program, which started at University Park three years ago, expanded this year to become the largest such program at any university in the nation.

Photo: Greg Grieco

Newspaper

Continued from page 1

plete understanding of the world they live in and enhance their learning environment," said Bill Asbury, vice president for student affairs and chair of the Newspaper Readership Program Steering Committee.

Students have access to more than 100 newspaper dispensing machines at 20 campuses with undergraduate programs. Using their regular student ID card to open the machines, students can pick up a free copy of *The New York Times*, *USA Today* and a daily paper from the local community. Use of the ID card in the newspaper machines will not debit the student's card. Students at the University Park campus continue to have free access to *The Daily Collegian*.

Numbers to date indicate that, on a daily basis, more than 2,290 University Park students are reading *The New York Times* and more than 3,160 students are reading *USA Today*. At the other campus locations, students are reading a total of more than 2,260 copies of *The New York Times* and *USA Today*.

The local papers also are popular with students. Every day, more than 250 students at Penn State Erie read the *Erie Times*, more than 120 students at Penn State Harrisburg read the *Patriot News*, more than 180 students at Penn State Abington read the *Abington Daily Inquirer* and more than 1,890 students at University Park read the *Centre Daily Times*.

Asbury expects the findings of the spring semester Pulse Survey of student attitudes and activities to show an increased use of newspapers in the curriculum — a result of the expanded Newspaper Readership Program.

"One of the concerns expressed by some faculty before the expansion to all students was the limitation of access to students living off-campus. This problem has been solved with the new approach."

Doug Anderson, dean of the College of Communications, said students and faculty in the college are among the beneficiaries of the innovative program.

"The Newspaper Readership Program greatly enhances our classes because it visibly and subtly reinforces the importance of daily reading, because access is made easy — we have a rack in Carnegie Building — and because it is cost efficient. That's a winning combination."

Several journalism classes require students to read one, and preferably multiple, newspapers each day.

"Reading newspapers is a natural supplement to reading textbooks in our classes," said Anderson.

According to Asbury, there are added benefits to the University as a result of the relationship with the newspapers.

"The collaboration between Penn State and the newspaper partners has provided major speakers for campus events, supported faculty research and created new student scholarships."

Newspapers participating in the expanded program include: *The New York Times*, *USA Today*, *Centre Daily Times*, *Harrisburg Patriot News*, *Philadelphia Inquirer*, *Altoona Mirror*, *Beaver County Times*, *Erie Times*, *Reading Times*, *DuBois Courier-Express*, *Uniontown Herald Standard*, *Hazleton Standard Speaker*, *Allentown Morning Call*, *Waynesboro Record Herald*, *Pittsburgh Post-Gazette*, *Valley News Dispatch*, *Pottsville Republican and Evening Herald*, *The Sharon Herald*, *Wilkes-Barre Citizen's Voice*, *Scranton Times and The York Daily Record*.

Details on participating newspapers, a list of committee members and information on the history of the program is available online at <http://www.psu.edu/ur/newspaper/>.

Capital College commencement will be Dec. 14, 16

A longtime faculty member and a state senator will be the keynote speakers at Penn State Capital College's commencement ceremonies in December. Melvin Blumberg, professor of management, will deliver the commencement address at the Schuylkill campus ceremonies at 7:30 p.m. Thursday, Dec. 14, in the gymnasium. State Sen. Joe Conti will be the Harrisburg campus speaker at 9:30 a.m. Saturday, Dec. 16, at the Hersheypark Arena.

Blumberg joined Penn State Harrisburg in 1985 as professor of management and director of the School of Business Administration, a post he held until 1990. He now serves as a senior research scientist for the Center for the Quality of Working Life and as a faculty member in the school, focusing his research and teaching on Total Quality Management, design of high-performing organizations and strategic management of technology and innovation.

Conti is a longtime public servant and community leader. Initially elected to his state Senate seat for the 10th district in a special election in 1997, he was re-elected in 1998.

Conti, who earned a bachelor's degree in the liberal arts from Penn State 1976, will be awarded a master of arts in American studies during the commencement ceremonies.

Nominations sought for excellence award

A call has gone out for nominations for the 2001 President's Award for Excellence in Academic Integration.

The award honors faculty members who have exhibited extraordinary achievement in the integration of teaching and research or creative accomplishments, and service. It carries a prize of \$3,000. The 2001 recipient will be recognized at the University Awards Program on March 26, 2001.

Nominations are being solicited from the academic deans and should include evidence of superior teaching (including student letters and evaluations), research or creative accomplishments and service to the University, public and/or profession. A curriculum vita and supporting letters, from professional colleagues internal and external to Penn State, should speak to the candidate's major achievements. Letters from the dean of the college and the department head, or other appropriate academic administrator, should speak to the candidate's ability to integrate all aspects of his or her academic life.

Nominations should be sent to Jerome Cohen, chair of the selection committee for The President's Award for Excellence in Academic Integration, 201 Old Main, University Park, Pa. 16802. Deadline is Jan. 8.

For more information, call Robert Secor at (814) 863-7494 or e-mail rsx2@psu.edu.

Nice rack



Antlered deer season is winding down, but this buck has nothing to worry about. He's part of the white-tailed deer herd studied at the deer pens on the University Park campus.

Photo: Greg Grisco

Energy Institute to establish \$3 million consortium

The University has been selected by the Strategic Center for Natural Gas and the National Petroleum Technology Office at the National Energy Technology Laboratory to establish and manage a national natural gas and petroleum stripper well consortium.

"The industry-driven consortium will invest \$3 million over the next three years from the Strategic Center to develop technologies that improve the production performance of the nation's natural gas and petroleum stripper wells," said consortium director Cem Sarica, associate professor of petroleum and natural gas engineering.

The consortium will be centered in

"The industry-driven consortium will invest \$3 million over the next three years from the Strategic Center to develop technologies that improve the production performance of the nation's natural gas and petroleum stripper wells."

Cem Sarica

Penn State's Energy Institute and will focus on the development of technology for such problem areas as reservoir remediation, wellbore cleanup and surface system optimization.

In partnership with researchers from the University of Tulsa, Penn State will

recruit industries to become members of the consortium, which will be governed by an executive council. The first organizational meeting is planned for Jan. 29 in Pittsburgh.

For more information, call Joel Morrison at (814) 865-4802.

Grant expands access to SAS software for students and faculty

A \$1 million software grant from SAS Institute of Cary, N.C., will provide the University with an extended suite of SAS's award-winning data warehousing, data mining and Web-enablement technology.

The grant from the market leader in e-intelligence and data warehousing will enhance classroom instruction and help students, faculty and staff conduct research.

According to Kevin Moroney, director of graduate education and research services at the Center for Academic

Computing, the grant will provide access to SAS software available under SAS's Academic Premier Program for Teaching and Research Purposes to students and faculty at all University locations. The program also will enable faculty and departments to receive reduced pricing for the company's products for the next three years.

Terms of the grant require that use of SAS software products be limited to teaching and research purposes, and a small percentage of funds will be set aside for SAS training for individuals

from participating departments and units.

SAS is the world leader in e-intelligence software and services, enabling its customers to turn raw data — including the vast quantity generated by e-business — into usable knowledge. Software from SAS is used at more than 35,000 business, government and university sites in 110 countries.

For more information about SAS at Penn State and the Academic Premier Program, check the Web at <http://www.sas.psu.edu/>.

MARTIN LUTHER KING JR. DAY

University Park observance to have different focus

By Tysen Kendig
Public Information

It's been more than three decades since Martin Luther King Jr. first cast the bright rays of civility and hope upon a nation shrouded by the darkness of racism and hate.

Penn State will again harness the light wrought by King's dreams of civil harmony and try to make it a year-round model for living and interacting with others through its annual Martin Luther King Jr. Day commemoration in January.

The University Park observance will have a different focus than in previous years. Organizers have chosen to use more resources to support activities and programs from participating student and administrative units on campus rather than centering the program around a keynote speaker.

The result at this stage of preparation is a full week of celebrations, artistic productions, and volunteer activities for faculty, staff and students. The slate of events is united under the common theme "Overcoming the Barriers, Fulfilling the Promise."

"This year we found ourselves in the rare situation of having Dr. King's birthday fall on the national holiday," said Thomas G. Poole, associate vice provost for educational equity and chair of the planning committee. "That means that Monday, Jan. 15, is going to be a day full of remembrances. We decided that we would help to coordinate and publicize events rather than compete with the other celebrations."

"It's our hope that we'll have an outstanding array of events and programs that celebrate the legacy of Dr. King and offer outlets for the community to contribute to making his dreams and ideals of civility and equality a reality — without concentrating solely on one day," he added. "Ideally, we hope the commemoration demonstrates the way people can and should live and work together — both as college students and as members of a civilized society."

Student groups have answered this call, contributing to a diverse schedule of events highlighted by the annual Day of Service on Monday, Jan. 15. The Day of Service, which has been deemed a "day on, not a day off," provides volunteer opportunities for students around scheduled classes. Service project categories include multiculturalism, elderly, children and youth, health, homeless and poor, environmentalism, literacy and disability.

The day will culminate in an evening celebration for student volunteers in Rec Hall at 6:30 p.m.

"We want people to become aware of the values of the day — the ethics that motivated Dr. King and serve as an inspiration to us today," said Tony Huang, director of the Undergraduate Student Government's 2001 Martin Luther King Jr. Day initiative.



Genny Uhl, left, and Camerson Cripe, from the State College Suzuki Strings, participated in last January's Martin Luther King Jr. Commemorative Bell Ringing Ceremony, which included tributes in a variety of styles. This year's ceremony will be held at 11:30 a.m. Jan. 15 in the HUB-Robeson Center Heritage Hall on the University Park campus.

Intercom file photo: Greg Grieco

Poster

Continued from page 1

"The rainbow was in my head from the very beginning," said Lam. "The theme 'Overcoming the Barriers, Fulfilling the Promise' just made me instantly think of a rainbow — particularly the last word, promise."

The creation of this work involved photocopying Karles' photograph five times to darkly contrast the marchers from the background. The image was then scanned into a computer, where it was touched up and combined with the painted sky and arcing colors.

Particularly challenging for Lam and other students in the class was creating an image that not only gives a face to the theme but is both eye-catching and can be printed in several sizes.

The array of skill used in the production of this photo should serve Lam well as she prepares to pursue a professional career in the arts. Ideally, she would like to explore all aspects of the art profession through a job with a full-working design firm, creating posters, brochures, compact disc covers and a variety of other visual products.

The annual Martin Luther King Jr. commemoration at University Park will be held Jan. 12-21. The program will be highlighted by a student-sponsored day of service and community bell-ringing ceremony on Monday, Jan. 15. Other Penn State campuses also have planned commemorations (see schedule on page 5). For more information, check the Web at <http://www.equity.psu.edu/mlk/>.

Bookending the weeklong celebration will be a theatrical production of "The Meeting," which details a fictitious meeting between Martin Luther King Jr. and Malcolm X at the Victoria Hotel in New York the night before Malcolm's assassination. Directed by Charles Dumas, associate professor of theatre arts, and featuring theatre graduate students Herb Newsome and Jarvis George, the thought-provoking play portrays the adversarial discussion of ideas between King and Mal-

colm, resulting in a newfound respect between the two men.

In addition, another project by Dumas will premiere in conjunction with the King celebration. Approximately 100 students and professional actors collaborated on "Surfacing," a film production that conveys the atmosphere of student activism in the 1970s at a fictitious Pennsylvania State College. The film flashes forward 20 years, where those students reflect on activism and try to communicate its

importance with today's comparatively apathetic students.

The planning committee has selected a logo that ties in the theme of the commemoration. Designed by visual art student Li Lam, the image will appear on posters, fliers and buttons that will be distributed across campus.

For more information on the Martin Luther King Jr. commemoration, check the Web at <http://www.equity.psu.edu/mlk/>.

MARTIN LUTHER KING JR. DAY

Variety of events are planned across the University

The following University locations have planned activities to celebrate and commemorate the life of Martin Luther King Jr.:

Altoona

■ Jan. 14, 4 p.m.: Community Unity Vigil, Eve Chapel.

■ Jan. 14, 8 p.m.: "Martin's Story," Slep Student Center.

■ Jan. 15, noon: Faculty/staff in-service, "Civility in an Uncivil World: Social Justice in Everyday Life," Slep Student Center.

■ Jan. 17, noon: Lunch discussion, "Forgive Me Martin, I'm Swingin', Not Singin'," Slep Student Center.

■ Jan. 18, 7:30 p.m.: "King's Dream," Community Arts Center Theatre, sponsored by the Office of Student Life.

■ Jan. 19, 6 p.m.: Martin Luther King Jr. Basketball Tournament, Adler Gym.

■ Jan. 20, 8 p.m.: Martin Luther King Jr. Unity Banquet, Slep Student Center.

Beaver

■ Jan. 15, 3:30 p.m.: "King's Dream," a live performance multimedia presentation on Martin Luther King Jr. and the civil rights movement, Auditorium of the Study Learning Center. This celebration of diversity, tolerance and nonviolence transports viewers back in time to relive America's turbulent '60s through narrative, archival film footage and live musical performances of songs that tell the story of pain and perseverance. The program is free to all campus and community members.

Berks

■ Jan. 15, 1 p.m.: Bryan Barrows on "Who Was Martin Luther King?" Barrows tells the story of the evolution of the civil rights movement and Martin Luther King Jr.'s place in it.

■ Jan. 22, 1 p.m.: "King's Dream," a live performance multimedia presentation on Martin Luther King Jr. and the civil rights movement. This celebration of diversity, tolerance and nonviolence transports viewers back in time to relive America's turbulent '60s through narrative, archival film footage and live musical performances of songs that tell the story of pain and perseverance.

Delaware County

■ Jan. 15, 12:30 p.m.: "Dr. Martin Luther King's Dream in the 21st Century," by Joseph Seldin, director of multicultural programs in the College of Communications at University Park. Location to be announced. This event kicks off a monthlong series of activities in honor of King to be held at the campus. Other events include the Greater Philadelphia Martin Luther King Day of Service, during which faculty, staff and students will be involved in volunteer service projects to mentor children making arts and crafts for a nursing home; a food and clothing drive to provide donations to homeless shelters and Welfare to Work Program; a group discussion "Open Expression" on diversity issues; poetry readings and personal reflections on King; faculty reviews of the speeches of Martin Luther King; and a musical presentation by the Penn State Gospel Ensemble.

DuBois

■ Jan. 17, 7 p.m.: "King's Dream," Hiller Building Auditorium. "King's Dream" is a live-performance, multi-media presentation on Martin Luther King Jr. and the civil rights movement. This celebration of

diversity, tolerance and nonviolence transports viewers back in time to relive America's turbulent '60s through narrative, archival film footage and live musical performances of songs that tell the story of pain and perseverance. The event is free to the public.

Hazleton

■ Jan. 11-18: Exhibition of winning entries and all other submissions to the third annual Martin Luther King "Sharing the Dream" competition, Laurel Mall. The theme for the competition is "Living the Dream Today, Why is the Dream Still Important?"

■ Jan. 15, 7 p.m.: An evening of inspiration and celebration of the works of Martin Luther King Jr. The program will feature readings and performances, as well as an "open podium" for readings from the audience.

Lehigh Valley

■ Jan. 24, 1 p.m.: "King's Dream," a live performance multimedia presentation on Martin Luther King Jr. and the civil rights movement. This celebration of diversity, tolerance and nonviolence transports viewers back in time to relive America's turbulent '60s through narrative, archival film footage and live musical performances of songs that tell the story of pain and perseverance.

McKeesport

■ Jan. 16, 4-6 p.m.: "I had a dream: A conversation with a friend," Buck Union Building stage area. This one-man performance by Gregory Kinney weaves a dreamed meeting between the performer and Martin Luther King Jr.

■ Jan. 17, noon to 1:30 p.m.: "King's Dream," a live performance multimedia presentation on Martin Luther King Jr. and the civil rights movement, in the Buck Union Building stage area. This celebration of diversity, tolerance and nonviolence transports viewers back in time to relive America's turbulent '60s through narrative, archival film footage and live musical performances of songs that tell the story of pain and perseverance.

Mont Alto

■ Jan. 15, 7:30 p.m.: MLK Jr. Candlelight Ceremony, in front of Wiesling Hall. This event will include student and staff speakers, music and a candlelighting ceremony.

■ Jan. 15, all day: Martin Luther King Jr. Day of Service.

■ Feb. 8, 8 p.m.: Vocal Theatre Show, "King's Dream," General Studies Auditorium. "King's Dream" is a live performance multimedia presentation on Martin Luther King Jr. and the civil rights movement, in the Buck Union Building stage area. This celebration of diversity, tolerance and nonviolence transports viewers back in time to relive America's turbulent '60s through narrative, archival film footage and live musical performances of songs that tell the story of pain and perseverance.

New Kensington

■ Jan. 15, noon: Free "birthday cake" and punch for students, faculty and staff; distribution of MLK buttons and audio recordings of famous speeches by King will be played, PSNK Theatre Lobby

■ Jan. 16, 2:30 p.m.: Martin Luther King Jr. Service Volunteer Day, Big Brothers/Big Sisters C.O.U.L. Kids Club.

■ Jan. 18, noon: Martin Luther King Jr. Service

Volunteer Day, People's Library

■ Jan. 19, 11:30 a.m. to 12:30 p.m.: Martin Luther King Luncheon, open to the public, PSNK Art Gallery. Price: \$6 per person.

■ Jan. 19, 12:30 p.m.: "King's Dream," a live performance multimedia presentation on Martin Luther King Jr. and the civil rights movement. This celebration of diversity, tolerance and nonviolence transports viewers back in time to relive America's turbulent '60s through narrative, archival film footage and live musical performances of songs that tell the story of pain and perseverance. PSNK Forum Theatre, free to the public.

University Park

■ Jan. 12-13, 7 p.m.: Play — "The Meeting," Heritage Hall, HUB-Robeson Center.

■ Jan. 14, 7 p.m.: Film World Premiere — "Surfacing," HUB-Robeson Center (specific location to be determined).

■ Jan. 15, all day: Martin Luther King Jr. Day of Service; Contact Tony Huang, USG Day of Service Director, (814) 235-2819.

■ Jan. 15, 9 a.m.-5 p.m.: Continuous showings of the following films in the Paul Robeson Cultural Center, Room 19, HUB-Robeson Center: "In Remembrance of Martin," "The Speeches of Martin Luther King Jr.," and "Dr. Martin Luther King Jr. — A Historical Perspective."

■ Jan. 15, 11:30 a.m.: Community Commemorative Bell Ringing Ceremony, Heritage Hall, HUB-Robeson Center. Contact: Lydia Abdullah, (814) 865-7641.

■ Jan. 15, 6:30-10 p.m.: MLK Day of Service Celebration, Rec Hall.

■ Jan. 15, 6 p.m.: Forum on Black Affairs MLK Jr. Banquet, Penn State Conference Center Hotel. For tickets e-mail Samuel Williams at svw6@psu.edu.

■ Jan. 16, 9 a.m.-5 p.m.: Continuous showings of the following films in the Paul Robeson Cultural Center, Room 19, HUB-Robeson Center: "In Remembrance of Martin," "The Speeches of Martin Luther King Jr.," and "Dr. Martin Luther King Jr. — A Historical Perspective."

■ Jan. 16, 11 a.m.-3 p.m.: Volunteer Fair, Alumni Hall, HUB-Robeson Center. Contact: Sara Olson, (814) 863-4624.

■ Jan. 17: Civil Rights Commemorative March, sponsored by Undergraduate Education. 11:30 a.m., Opening Ceremony, Old Main steps; 12:45 p.m., Closing Ceremony, Heritage Hall, HUB-Robeson Center. Contact: Rick Coons at rrc3@psu.edu.

■ Jan. 19-20, 7 p.m.: Play — "The Meeting," Heritage Hall, HUB-Robeson Center.

■ Jan. 21, 2 p.m.: Play — "The Meeting," Heritage Hall, HUB-Robeson Center.

For more information on University Park events, check the Web at <http://www.equity.psu.edu/mlk> or <http://www.clubs.psu.edu/usg/mlk>

Worthington Schanck

■ Jan. 15, noon: Ewabo, a steel orchestra, Study Learning Center. With an emphasis on the steel drum, better known as "pan" to the people of its native land (Trinidad and Tobago), Ewabo musicians use their experiences and backgrounds to entertain and educate audiences on the potpourri of Caribbean culture.

■ Jan. 19, noon: storyteller and poet Shindana Cooper, Study Learning Center. Cooper will guide her audience from a small African village, through the Middle Passage, from life on the plantation, to a safe house on the Underground Railroad. Her characterizations include Sojourner Truth, Mary McLeod and Harriet Tubman.



News in Brief

Jury system is topic of Spanier radio/TV call-in

Concerns about the American jury system will be the topic of the next edition of "To the Best of My Knowledge." President Graham B. Spanier's monthly call-in show airing at 7 p.m. Tuesday, Dec. 19, on WPSU-FM (91.5, 106.7, 95.1, 90.1, 100.9 and 104.7) and simultaneously on WFSX-TV.

Joining Spanier to discuss such topics as jury selection, punitive damage awards and non-unanimous verdicts will be Charles C. Brown Jr., president judge of the Court of Common Pleas for Centre County; and Arthur Patterson, senior vice president of Decision-Quest, a leading trial consulting and jury research company.

Listeners and viewers with questions or comments are encouraged to join the discussion by calling (800) 543-8242 during the one-hour simulcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ur/tech/tech.html>; and they will be able to contact the president during the program via e-mail to response@psu.edu. A series designed to explore topics of national and local interest and to allow listeners a chance to communicate directly with Penn State's president.



Kristine Allen and Steve Shipman banter on the air at WPSU-FM during the Penn State Public Broadcasting radio station's fall pledge drive. The station raised more than \$51,000 in member pledges during its fall campaign, surpassing its goal of \$45,000. During the membership drive, 179 new members joined and pledges worth \$2,000 were made through the station's Web site. Penn State Public Broadcasting's WPSX-TV winter membership campaign is now under way. Pledge online at <https://is123.ce.psu.edu/PSPB/pledge.html> or call (800) 245-9779.

Photo: Greg Oracio

Winter-Fest 2001

The Center for Academic Computing (CAC) will offer free learning opportunities in early January.

Winter-Fest 2001 offers one week of computer seminars for faculty, staff and teaching assistants on many topics that will help participants to prepare for the Spring 2001 semester. The seminars will be held at University Park from Tuesday, Jan. 2, through Friday, Jan. 5, 2001.

Seminars designed specifically to discuss integrating technology in the classroom will be offered during this week, along with hands-on workshops on topics such as the World Wide Web, Microsoft Office and graphics applications.

As with all CAC course offerings, registration is required. Visit the CAC Training site at <http://cac.psu.edu/training/> for seminar dates, times, descriptions and registration information.

Mark your calendar

Take Our Daughters To Work Day is April 26, 2001. Sponsored in part by the Commission for Women, this event is a day on which parents or mentors bring their daughters to work to give them a first-hand look at what occurs in the workplace and expose them to the wide range of life options open to them.

More information will be available

in January. Units interested in being a site for the half day program should e-mail Carol Griffin at cgg3@psu.edu.

For the Record

Actress Uta Hagen achieved worldwide acclaim for her work in such plays as "Who's Afraid of Virginia Woolf?" Due to a source error, the name of the play was incorrect in a story on page 3 of the Nov. 30 *Intercom*.

COURSES

Credit courses

The Human Resource Development Center and Continuing Education are offering the following three-credit courses for University employees during spring semester, 2001. All classes meet from 11:30 a.m.-12:45 p.m. beginning Jan. 8. The courses may be used toward completion of the Business Management and Advanced Business Management Certificates offered as an outreach program of The Smeal College of Business Administration. An academic counselor is available to help with course selection.

For registration information, call the Human Resource Development Center at (814) 865-3410 or the Continuing Education Office at (814) 865-3443.

The courses follow:

■ **ACCTG 211**, Financial and Managerial Accounting for Decision Making; 4 credits; will meet Mondays, Wednesdays and Thursdays.

■ **MGMT 100W**, Survey of Management and Composition; 3 credits; will meet Tuesdays and Wednesdays.

■ **MATH 021 (GQ)**, College Algebra I; 3 credits; will meet Mondays and Wednesdays.

■ **ENGL 015 (GWS)**, Rhetoric and Composition; 3 credits; will meet Tuesdays and Thursdays.

■ **SPCOM 100A (GWS)**, Effective Speech; 3 credits; will meet Tuesdays and Thursdays.

LECTURES

Achievement conference planned for Feb. 3

"The Achievement Conference: Sharing Our Successes in the Academic Setting," a conference to offer support for students of color, will be held from 8 a.m. to 3 p.m. Feb. 3 at The Nittany Lion Inn, University Park.

Keynote speaker is William Harvey, vice president and director of the Office of Minorities in Higher Education, American Council of Education. The conference is presented by the Black Graduate Student Association and co-sponsored by the offices

of the Vice Provost for Educational Equity and Graduate Educational Equity.

The purpose of this event is to foster relationships between faculty and graduate students of color. At the event, students and faculty also will have the opportunity to showcase their research and publications.

Information about the conference will be available via campus mail before finals week. For information, send e-mail to sharing-successes@psu.edu.

Teleconference details implications of proposed legislation

The University Libraries will be host for a satellite teleconference, "UCITA: A Guide to Understanding Action." The program will discuss the implications of UCITA, the Uniform Computer Information Transactions Act, a proposed federal law that seeks to create a unified approach to licensing

software and information in all states.

This free teleconference will be held from 1 to 4 p.m. Dec. 13 in Foster Auditorium, Pattee Library. Registration is required. To register or for more information, e-mail Tracy Weaver at tdw@psu-libraries.psu.edu or call (814) 865-0401.



Arts & Entertainment

Oboe studio recital

Students of Tim Hurtz, associate professor of music, will present a free oboe studio recital at 8 p.m. Friday, Dec. 8, in the School of Music Recital Hall, University Park.

Faculty recital

Evelynn Ellis will present a free faculty recital for clarinet and piano at 3 p.m. Sunday, Dec. 10, in the School of Music Recital Hall, University Park. Special guest Lauren Thorpe, a clarinetist from the State College area who is a private student of Ellis', will join her. Tony Leach, assistant professor of music, will be the accompanist.

Mime 'n' Jazz

The Penn State McKeesport Players, under the direction of Jay Breckenridge, associate professor of theatre arts at the campus, will present "Four of a Kind," a collection of one-act plays for children, at 7:30 p.m. through Dec. 9 in the Buck Union Building.

In addition, the Penn State McKeesport Jazz Ensemble, directed by James Alston, will provide special musical arrangements with local touch for an evening of theatre and jazz.

Admission is \$2 for adults and \$1 for children under 12. For more information, call Breckenridge at (412) 675-9464.

"Rhine Journey"

Steven Smith, professor of music, will appear as the piano soloist for the Nittany Valley Symphony's presentation of "Rhine Journey" at 8 p.m. Saturday, Dec. 9, in Eisenhower Auditorium on the University Park campus.

Tickets are available at the Eisenhower Box Office and are \$18.50 general admission, \$16.50 for seniors and \$7.50 for full-time students. Call (800) ARTS-TIX. For group rates, call (814) 231-8224. For information, check the Web at <http://www.nvs.org/>.

BRYCE JORDAN CENTER

Barenaked Ladies to play Feb. 9

The Barenaked Ladies will appear at 8 p.m. Friday, Feb. 9, at The Bryce Jordan Center on the University Park campus.

Tickets are \$35 and \$25 for reserved seating and go on sale at 1 p.m. Saturday, Dec. 9. Wristbands will be made available from 8 a.m. to 5 p.m. Friday, Dec. 8, and from 8 a.m. to noon Saturday, Dec. 9. Wristbands are for ticket buyers wishing to purchase tickets at The Bryce Jordan Ticket Center only.

Perhaps the most talented group of musicians to come out of Toronto since Rush, Barenaked Ladies has attracted a rabidly loyal group of fans based upon the success of their debut album, "Gordon." They enter the 21st century with their latest release, "Maroon," which includes the hit "Pinch Me."

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555 or online at <http://www.bjc.psu.edu/>.



The Dave Matthews Band, shown here, will perform with The Funky Meters at 7 p.m. Dec. 8 at The Bryce Jordan Center on the University Park campus. Tickets are still available and may be purchased by calling (814) 865-5555 or (800) 863-3336. The Barenaked Ladies also will play the arena (see story at left). For more information, check the Web at <http://www.bjc.psu.edu/>.

UNIVERSITY PARK CALENDAR

December 7 - January 18

SPECIAL EVENTS

Saturday, December 16

Commencement, The Bryce Jordan Center and Eisenhower Auditorium.

MUSIC

Friday, December 8

The Dave Matthews Band with The Funky Meters, 7 p.m., The Bryce Jordan Center.

Oboe studio recital, 8 p.m., Recital Hall.

Saturday, December 9

Nittany Valley Symphony's "Rhine Journey," 8 p.m., Eisenhower Auditorium. For tickets, call (800) ARTS-TIX.

Sunday, December 10

Evelynn Ellis, faculty recital, 3 p.m., Recital Hall.

SEMINARS

Monday, December 11

Karl Mueller on "What NMR Can (and Will) Tell Us About Phenomena in Restricted Geometries," noon, 330 Davey Laboratory.

Tuesday, December 12

Ronica Hooks on "The Association of Race and Socioeconomic Status with Cardiovascular Disease Among Older Adults in the Health ABC Study," noon, 406 Oswald Tower.

Wednesday, December 13

Frank H.T. Rhodes on "The Research-Intensive University: Prospects for a New Era," 11:30 a.m. to 1 p.m., The Penn State.

Thursday, December 14

Bruce Gates on "A Catalyst in Action: Structure and Bonding of Site-Isolated Tetrairidium Clusters on Oxide Surfaces During Propene Hydrogenation," 12:15 p.m., \$5 Osmond Laboratory.

Thursday, January 18

Joel N. Myers on "Some Impacts of Technology and the Internet on the Roles of Private Enterprise, Government and Institutions," 11:30 a.m. to 1 p.m., The Penn State.

EXHIBITS

Palmer Museum of Art

"An Interlude in Giverny: The French Chevalier," by Frederick MacMonnies, through Feb. 25.

Pattee Library

"Faces of Children," 109 Pattee, through Jan. 3.
"Maps and Images of World War II," by Oerick Beckner, through Jan. 3.

For a full listing of University Park activities, go to the Web at <http://cac.psu.edu/calendar/>. For Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Appointments

Speece is chosen as new dean for Berks-Lehigh Valley

Susan Phillips Speece, associate dean of instruction and dean of the Division of Mathematics, Science and Engineering at Fresno City College, has been recommended to the board of trustees as dean of Penn State Berks-Lehigh Valley and campus executive officer of Penn State Berks, effective Feb. 1. The board will act on the recommendation at its Jan. 19 meeting at University Park.

Named a Fellow of the American Association for the Advancement of Science this year, her key areas of scholarship include AIDS and AIDS education, cell adhesion proteins and ecological diversity. Her specialties in science education — most recently funded by a \$4.2 million National Science Foundation grant for the preparation of grade seven through 12 science and math teachers — include teacher effectiveness, college science teaching and alternative assessments.

Speece joined Fresno City College in 1995. She is responsible for the opera-



Susan Speece

tion, budget and more than 120 faculty and staff of the Division of Mathematics, Science and Engineering. From 1984 to 1995, she was chair of the Department of Biological Sciences and professor of biology at Anderson University. She also has taught at Ball State University and Purdue University.

The author of more than 30 publications, Speece also has more than 75 professional presentations and keynote addresses, and has received funding for 14 grants, including those from NSF, the Lilly Foundation and the Commission on Higher Education. She has served as chair or officer of many professional associations and societies.

Speece earned her bachelor's and master's degrees from Purdue University in biology and chemistry and biology, respectively; her Ed.D. degree in education and biology from Ball State University, and completed an NSF post-doctoral fellowship at Indiana University/Purdue University at Indianapolis, where she investigated calcium proteins.

Kevin Moore fills director of alumni relations position

Kevin E. Moore has been named director of alumni relations at Penn State Erie.

He will be responsible for building and cultivating relationships with Penn State Erie's 17,000 alumni through programs and events both on- and off-campus. Moore is expected to begin his new duties Jan. 2.

A 1985 Penn State Erie graduate in communications, Moore



Kevin E. Moore

fraternity.

has been with Erie's Career Development Center since 1990. He also holds a master's degree in public administration and a certificate in systems analysis and development from Penn State Erie.

This year he was named an honorary lifetime member of Delta Sigma Pi, an international business

Capital College gets assistant director of alumni relations

Laurie A. Dobrosky is Penn State Capital College's new assistant director of alumni relations.

Dobrosky will be responsible for alumni activities at both campuses, representing more than 30,000 alumni. She will work closely with the Penn State Harrisburg and Penn State Schuylkill alumni societies, organizing activities and events for alumni, coordinating the activities of the two boards, developing alumni publications and organizing the alumni recog-



Laurie Dobrosky

nition programs. A portion of her time also will be spent organizing the alumni mentor program.

A 1984 Penn State graduate with a bachelor's degree in animal production with a communications emphasis, Dobrosky was a meeting manager with the Pennsylvania Medical Society before joining the college.

She is a member of the board of directors of the York County 4-H clubs, the York Jaycees and the Pennsylvania Livestock Association.

Minority Engineering Program director is appointed

Amy L. Freeman has been named director of the College of Engineering's Minority Engineering Program.

As director, Freeman will work to increase the percentage of ethnic engineering students — blacks, Hispanics and American Indians — in the college.

Freeman joins Penn State after eight years at Lock Haven University, where she served as director of Human and Cultural Diversity. In this position she advised equity groups that included women, students of color and international students.

She also coordinated programs to raise awareness of minority concerns, directed special initiatives to address academic progress for minority popula-

tions and advised minority student organizations.

From 1991 to 1998, Freeman also served as an adviser for the Bloomsburg University Gospel Choir, a minority retention program at that school.

Before that, Freeman worked in construction management for seven years, first as a construction engineer at Rockwell International in Hanford, Wash., and then as owner of two construction management firms in the Lock Haven area.

Freeman holds a bachelor's degree in construction management from Washington State University and a master's degree in architectural engineering from Penn State.

New admissions counselor appointed at McKeesport

Amanda K. Benedict has been appointed as the new full-time admissions counselor for Penn State McKeesport.

The new position was created to accommodate the expanded needs of the Admissions Office.

Benedict's duties include high school visits, advising students and parents, and assisting with admissions programs.

She previously served as admissions counselor for Seton Hill College, where she received a bachelor of arts in marketing management.



Amanda K. Benedict

Have a seat



The sky is the limit at Beaver Stadium where construction is continuing on the new sky boxes, part of the stadium expansion that will increase seating by 10,000, bringing capacity to approximately 103,500. The project, which also will increase rest-room and concession facilities, improve handicapped access, upgrade locker rooms and complete construction of the new scoreboard, is estimated to cost \$84 million. The funds come from revenue from the lease of the skyboxes, club seating receipts, ticket sales from the new seats and other contributions. No taxpayer funds are being used to fund the project.

Photo: Greg Gresco



25-Year Awards



Dean Baldwin



Chester Wofford



Turgay Ertekin



Henry Gong



Arthur A. Heim



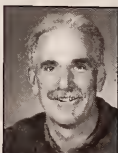
Christopher Johnstone



Thomas A. Lloyd



Bonnie Merlino Sohn



Marlin Luse



Donald Smith



Franklin Moerschbacher



William C. Waterhouse

Observing 25 years of service at the University are, from top row left: Dean Baldwin, professor of English and assistant director of the School of Humanities and Social Sciences, and Chester Wofford, professor of English and business, both at Penn State Erie; and Turgay Ertekin, professor of petroleum and natural gas engineering, associate head of the Department of Energy and Geo-Environmental Engineering, and the Quentin E. and Louise L. Wood faculty fellow, in the College of Earth and Mineral Sciences; second row, left: Henry Gong, senior analytical chemist in the College of Earth and Mineral Sciences; Arthur A. Heim, director of the industrial research office in the Office of the Vice President for Research; and Christopher Johnstone, associate professor of speech communication in the College of the Liberal Arts; third row, left: Thomas A. Lloyd, professor of obstetrics and gynecology, and Bonnie Merlino Sohn, staff assistant VI, both in the College of Medicine at The Hershey Medical Center; and Marlin Luse, mail carrier in Business Services; and fourth row, left: Donald Smith, utility and relief worker in Business Services; Franklin J. Moerschbacher, stockroom clerk B in the Office of Physical Plant; and William C. Waterhouse, professor of mathematics in Eberly College of Science. Observing 25 years of service at the University but not pictured are Lois Cori, staff assistant VI, and Julia Moyer, staff assistant VI, both in the College of the Liberal Arts; Susan Rokeby, assistant coordinator of contracts and grants management in the College of Earth and Mineral Sciences; and Frank M. Samansky, technician, television and electronics in the Division of Outreach and Cooperative Extension.

University to support two organizations in its anti-sweatshop efforts

The Penn State Advisory Committee on Apparel Manufacturing, which was established by President Graham B. Spanier in April to determine the best ways for the University to eliminate sweatshop conditions in the manufacture of its apparel, recently completed its deliberations and delivered a final report to the president.

The report recommends that the University continue its affiliation with the Fair Labor Association (FLA) and the Global Alliance for Workers and Communities. The committee recommended against joining the newly formed Workers' Rights Consortium (WRC), but urged the University to monitor the WRC's progress as it establishes its operation, in the event that a later affiliation would be appropriate.

The committee conducted 17 meetings, reviewed more than 150 documents and heard testimony from representatives of numerous organizations, including Students for Accountability and Reform (STAR), NIKE, the FLA, the WRC and the Global Alliance for Workers and Communities.

"Everyone on the committee, established in consultation with the Undergraduate Student Government and the Faculty Senate, agreed that the issue of sweatshop labor is an important one. The time invested in these meetings and the level of international expertise on these issues that some of our members and visitors brought to the discussion were invaluable in helping us reach the best plan," said Dan Sieminski, assistant vice president for finance and business and chair of the committee. "Penn State will continue to leverage its educational and research expertise along with our economic interest to exert pressure on this issue here in the United States and around the world."

The committee then established a set of criteria to evaluate how the various monitoring groups could best serve the University's approved manufacturing Code of Conduct. The major issue facing the committee was whether to remain affiliated with the FLA and/or join the WRC.

"The committee members felt that the FLA better satisfied the criteria that the committee had established," said Dan Sieminski. "The FLA has established leadership and staffing, and seems better positioned to fulfill the objectives that we all want — safer and better working conditions for the people who manufacture this apparel."

Several members of the committee had urged some sort of affiliation with the WRC, but the majority of the committee felt that was premature.

"There was considerable discussion of the issue, but the consensus was not to join the WRC because they satisfied few of the criteria established by the committee," Sieminski said.

Penn State joined the FLA in March 1999 with encouragement from student leaders, in an effort to ensure that Penn State trademark licensees were abiding by the Labor Code of Conduct. In June 2000 Penn State also joined



"Penn State will continue to leverage its educational and research expertise along with our economic interest to exert pressure on this issue here in the United States and around the world."

Dan Sieminski
committee chair

the Global Alliance for Workers and Communities. The University's financial commitment to the two organizations is believed to be among the largest by any university in the country.

In a letter to committee members, Spanier made it clear that he would follow their recommendations. He praised the committee for their time and service, noting that their dedication to the task was impressive.

"This committee has done an exceptional job of sorting out the important issues, reviewing all of the available information and talking to key individuals in each organization. I have complete confidence in their recommendation."

The Advisory Committee on Apparel Manufacturing had the following membership:

- Dan Sieminski, chair, assistant vice president for finance and business;
- Karen Bierman, director of the Children, Youth and Families Consortium and distinguished professor of psychology;
- Phillip R. Bower, graduate student majoring in mineral processing;
- Philip J. Burlingame, assistant vice president for student affairs;
- Samantha Chirillo, undergraduate student majoring in microbiology (resigned on Dec. 1);
- James H. Dunlop, director of procurement and materials management;
- Dennis S. Gouran, professor of speech communication, labor studies and industrial relations;
- Douglas Grane, undergraduate student majoring in geography;
- Janis E. Jacobs, vice president for administration;
- Romel Sharma, undergraduate student majoring in philosophy; and
- John M. Stevens, professor of management.

The complete report may be found in the "Announcements" box on the University's Web site at <http://www.psu.edu/>.



Penn Staters

Dinesh Agrawal, professor of materials and director of the Microwave Processing and Engineering Center in the Materials Research Institute, gave invited talks on "Recent Developments in Microwave Technology" at Osaka University in Japan and at the satellite meeting of PM2000 International Congress held at Kyoto Japan. Agrawal also gave an invited talk on "NZP: A New Family of Materials for Low Thermal Expansion and Radwaste Management" at Hitachi Works, Tokyo.

Richard A. Behr, department head and professor of architectural engineering, was honored by the Architectural Engineering Institute of the American Society of Civil Engineers for a paper he authored. "Seismic Performance of Architectural Glass in Mid-Rise Curtain Walls" received the society's 1999 Journal of Architectural Engineering Best Paper Award.

Research on households and brands by **Jennifer E. Chang**, assistant professor of marketing in The Smell College of Business Administration, will be featured in an upcoming British Broadcasting Corp. documentary. The documentary will focus on retailing around the world and will document Chang's research interactions to illustrate the types of insights from brands and retailing that can be generated from this type of participant observation. The four-part documentary will be released in the United Kingdom and then the United States and Japan.

John Dickison, head of production for video/broadcast in information and communication technologies, took office as vice-chair-elect for the communications management special interest group for Agricultural Communicators in Education at the U.S. Agricultural Communicators' Congress meeting in Washington, D.C.

David Eisenstat, professor of woody plant physiology, presented "The Role of Roots in the Mineral Nutrition of Fruit Crops," at the Fourth International Symposium on Mineral Nutrition of Fruit Crops in Penticton, British Columbia.

Jim Finley, associate professor of forest resources, received the 2000 Technology Transfer and Extension Award from the Society of American Foresters. Finley was selected "for enhancing the practice of forestry that is based on good science." The award was presented at the Society of American Foresters national convention in Washington, D.C.

George Hamilton, senior lecturer in agronomy, received an Award of Appreciation from the American Society for Testing and Materials Committee F08 on Sports Equipment and Facilities for his contributions as interlaboratory study coordinator for three standards developed within Subcommittee F08.64 on Natural Playing Surfaces in Toronto. **Andy McNitt**, assistant professor of soil science, was recognized by the society's Subcommittee F08.54 on Athletic Footwear for his contributions to the development of shoe-surface traction test methods during his meeting in New Orleans.

Lawrence E. Hochreiter, professor of mechanical and nuclear engineering, presented an invited paper at the opening plenary session of the American Nuclear Society meeting on best-estimate methods on nuclear installation safety analysis in Washington, D.C. He also co-authored a second paper with **J. H. Malaffay**, associate professor of nuclear engineering, and **G. Wang**, former Penn State graduate student, on the "Investigation of BWR LOCA Behavior Using the USNRC Consolidated Code."

Bruce Kendall, professor emeritus of physics, has been named a Fellow of the American Vacuum Society. He was honored "for contributions to basic vacuum technology, vacuum measurements and mass spectroscopy."

Ian-Choon Khoo, professor of electrical engineering, presented an invited paper titled "Stimulated Scattering at mW Power in Thin Nematic Film for application in the Visible-Near IR Spectral Regime" at the annual technical meeting of the International Electrical and Electronics Engineers' Lasers and Electro-Optics Society in San Juan, Puerto Rico.

Nancy Ellen Kiernan, senior research associate for program evaluation in extension administration, has been elected chair-elect of the Extension Evaluators Group of the American Evaluation Association.

Les Lanyon, professor of agronomy, recently participated in a weeklong national security seminar sponsored by the U.S. Army War College in Carlisle. More than 150 business, government, media and academic leaders also participated in the seminar, which gave the War College student body a chance to hear nonmilitary viewpoints on matters of defense.

Nancy Ostluy, senior research associate in entomology, presented the paper "Environmental and Other Factors: Can They Be Used to Control Varroa?" at the European Working Group on Integrated Varroa Control in Bern, Switzerland. **Diana Sammataro**, research associate in entomology, collaborated on the work.

Carlo G. Pantano, distinguished professor of materials science and engineering and director of the Materials Research Institute, gave an invited talk on "Characterization and Structure of Leached Surface Layers on Glass" at an international conference, "The Surface: A Bug in New and Old Glasses," held on San Servolo Island, Venice, Italy. Pantano also gave invited talks on glass surfaces at the 61st Annual Conference on Glass Problems in Columbus, Ohio, and at the 2000 Materials Research Society Fall Meeting in Boston.

Joan Thomson, associate professor of rural sociology, presented "Edible Connections: Changing the Way We Talk About Food, Farm and Community, A Model for Community-Based Education on the Food System" at EuroSafe 2000, the Second Congress of the European Society on Agricultural and Food Ethics, in Copenhagen, Denmark.

Paul J. Tikalsky, associate professor of civil engineering, has been appointed chairman of the Educational Activities Committee of the American Concrete Institute. The standing committee is responsible for developing and overseeing the Institute's educational programs.

Several Cooperative Extension staff members received awards from the National Association of Family and Consumer Sciences at the group's annual meeting in Baltimore. **Jane Beightol**, senior extension agent based in Mifflin County, and **Jan Scholl**, associate professor of agricultural and extension education, received the Continued Excellence Award. **Cathy Faulcon Bowen**, assistant professor of agricultural and extension education, received first place for Educational Publications. **Mary Alice Gettings**, senior extension agent based in Beaver County and team leader; **Nancy Ellen Kiernan**, senior research assistant for program evaluation in extension administration; and **Cindy Javor**, extension agent based in Allegheny County, all received the Program of Excellence Through Research Award. **Sandra Hall**, extension agent based in Lebanon County and team leader; **Corey Johnson**, multimedia Web developer in Penn State Public Broadcasting; **Robin Klecker**, associate extension agent based in McKean County; **Kent Klouser**, TV production assistant at WPXX-TV; **Jennifer MacIsaac**, public relations and marketing specialist in information and communication technologies; **Greg Petersen**, managing producer-community services in Penn State Public Broadcasting; and **Henry Trout**, TV production assistant at WPXX-TV, received third place for television. **Nina Redding**, extension agent based in Adams County, received the Distinguished Service Award. **Robin Rex**, associate extension agent based in Columbia County, received first place for overhead transparencies. **Christine Tomascik**, extension agent in Luzerne County, received the Distinguished Service Award. **Karen Thomas**, associate extension agent based in Lackawanna County, and **Mary Ehret**, extension agent in Luzerne County, won the Florence Hall Award.

Donald Waddington, professor emeritus of soil science, received the Dr. William H. Daniel Award from the Sports Turf Managers Association during its 11th Annual Conference and Exhibition in St. Louis. The award recognizes his contributions to athletic field construction, maintenance and playability assessment.

Sharon Waters, director of counseling and career services at Penn College, was a presenter at the Annual Statewide Cooperative Education Association Conference at the Penn State Conference Center in State College. Waters' topic was "Helping Students Transition from Secondary to Postsecondary Education."

Don Wojchowski, associate professor of veterinary science, was invited to serve on the National Institutes of Health's Hematology Study Section (2), Center for Scientific Review, from July 1 to June 30, 2004. Members are selected based on competence and achievement in their scientific discipline.

OBITUARIES

F. Holmes Cathrall Jr., assistant professor of health and physical education in Intercollegiate Athletics, died Sept. 1, 1964, until his retirement June 30, 1990; died Oct. 17, at the age of 77.

Robert L. Crain, electrician A in the Office of Physical Plant, from March 18, 1948, until his retirement March 30, 1985; died Nov. 5. He was 79.

Frederick W. Lampe, professor emeritus of chemistry in the Eberly College of Science, from Sept. 1, 1960, until his retirement Jan. 1, 1992; died Nov. 8, at the age of 73.

Werner J. Mueller, professor emeritus of poultry science, died Nov. 22 at the age of 74. Mueller, a native of Switzerland, was a faculty member in the Department of Poultry Science

from 1954 until his retirement in 1980. He was an active participant in the intercollege program in physiology and was the thesis adviser or committee member for numerous students at the master's and doctorate levels. His research interest in calcium metabolism had great impact both for the poultry industry and for human skeletal disorders.

Kenneth R. Maxwell, senior extension agent in the College of Agricultural Sciences, from March 1, 1951, until his retirement Aug. 1, 1989; died Oct. 19. He was 76.

Ruth C. Stone, staff nurse in the College of Medicine, The Hershey Medical Center, from Oct. 18, 1981, until her retirement May 29, 1994; died Sept. 17, at the age of 66.



Focus on Research

Rowdy, active toddlers just may be sensation seekers, study reports

By BARBARA HALE
Public Information

No, parents, you're not imagining it; some toddlers DO behave like miniature Evel Knievels. Researchers at University Park have identified "sensation seeking" characteristics in children as young as 2 years old and found that babies who are quicker to reach for and react to new toys and sounds were more likely to be highly positive, exploratory and risk-taking a year later as toddlers, too.

Cynthia Shifter, professor of human development and family studies, said, "Parents who are fortunate enough to have a sensation-seeking child should revel in the fact that their offspring loves life but they also have to be mindful that the child may put him or herself in situations that are risky. Don't inhibit them but be watchful and do teach safety."

The findings were generated in dissertation research conducted by Sam Putnam, research associate, University of Oregon, when he was a doctoral candidate at Penn State under Shifter's direction. Putnam and Shifter presented their findings in a poster at the International Conference on Infant Studies in Brighton, England.

The researchers placed 90 children ranging in age from 6 months, 12 months, 24 months and 25 months in situations that tested for kid-style sensation-seeking characteristics. For example, while seated in a high chair, the 6-month-olds and 12-month-olds were shown two sets of toys. One set was of low intensity, a block, plate and cup, and the other of high intensity, a flashing light, toy beeper and a wind-up dragon. The children who reached out quickly for the toys were consid-



Cynthia Shifter, professor of human development and family studies, displays some of the toys used in a study of sensation-seeking children at University Park. "Approach-motivated" children are more apt to be exploratory and take risks as opposed to "low-approach children," according to a recent study.

Photo: Greg Grieco

ered more "approach-motivated" than the children who went more slowly to these same toys.

At 2 years of age, the same children were given the opportunity to explore a black box with a hole in one side. The "low-approach" children generally refused to put their hand into the hole to explore the interior while some "high-approach" children actually tried to climb inside the box. The same children were also asked to approach a staircase with three steps and to jump off the steps onto a little mattress. High-approach children ran right up and jumped off the top step while some low-approach kids refused to

leave their parent to go near the stairs.

In the study, Putnam says the researchers collected multiple behavioral variables that when grouped statistically showed "there appeared to be a distinction between those children who were approach-based and those who were more inhibition-based."

The researchers found four distinct forms of "sensation seeking" in the babies and toddlers that corresponded roughly to adult sensation-seeking behaviors, including thrill and adventure seeking, social disinhibition or the lack of shyness, and experience seeking. In addition, they found a dimension of positive affect or happiness.

FROM THE EXPERTS

Plan for kids to be home during holidays

The holiday season brings about a great deal of hustle and bustle — the shopping, the traveling, the visiting, the decorating, baking, celebrations, parties, plays and crafts.

For many families the routine is even more stressed by the fact that the child-care center is closed, school is on hold and the kids are home.

"Accept that 'tis the season" and the family will be busier than usual, your children will be home all day and plan for it," said Linda Duerr, director of the Child Development Laboratory in Penn State's College of Health and Human Development.

■ See the season through your children's eyes to gain their perspective, Duerr said. "Is all this running around really fun for your children? Three-year-old children tend not to like crowded department stores. Is a formal dinner really what your 4-year-old daughter wants to do and are you going to have fun if she joins you?"

■ Be aware of your child's school or program requirements for the holiday break. Are they expected to write a book report or bring in a "show and tell" item on their return?

■ "Children have a harder time adjusting to changes in sleep patterns than adults, so stick to the usual bedtime," Duerr said. "This affords the child needed rest and gives you the time to do the things you need to accomplish without them. It also maintains the normal schedule and that is the best preparation for going back to school and day care."

■ Treat this time as a gift, rather than a nuisance, and do things together, Duerr noted. Most communities offer many activities for families during the holiday seasons.

Scientists discover evidence of early microbial life on land

Remnants of organic matter in ancient soil more than 2.6 billion years old may be the earliest known evidence for terrestrial life, according to a team of astrobiologists.

"Our work shows that the organic matter in this soil very probably represents remnants of microbial mats that developed on the soil surface between 2.6 and 2.7 billion years ago," said Hiroshi Ohmoto, professor of geochemistry and director of The Penn State Astrobiology Center. "This places the development of terrestrial biomass more than 1.4 billion years earlier than previously reported."

Evidence that microorganisms flour-

ished in the oceans since at least 3.8 billion years ago exists, but when these microorganisms colonized on land is not clear. The oldest undisputed remnants of terrestrial biomass have been 1.2 billion-year-old microfossils found in Arizona. Examining samples taken from Mpumalanga Province, South Africa, using



Hiroshi Ohmoto

a variety of geochemical methods, the researchers report, that a paleosol dating to between 2.6 and 2.7 billion years ago contains organic carbon that was neither created by high temperature fluids nor is the remnant of later petroleum migration, but is in-situ biological in origin.

A paleosol is a layer of ancient soil, in this case buried and preserved where it formed.

Because the 55-foot thick layer of soil found at Schagen is located between a layer of 2.7 billion-year-old serpentine and a 2.6 billion-year-old quartzite bed, the researchers can date the soil to between

2.6 and 2.7 billion years ago.

The results of the study determined "these features suggest that the organic matter in the uppermost soil zone is an indigenous remnant of microbial mats that developed on the surface of clay-rich soil during the rainy season," Ohmoto said. "The mats were blanketed by aerosol deposits laid down during the dry season."

The researchers included Ohmoto; Yumiko Watanabe, doctoral candidate at Penn State and at Tohoku University, Sendai, Japan; and Jacques E.J. Martini, Geological Survey of South Africa.



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A view from the inside



Workers take measurements at the windows of the new Hintz Family Alumni Center on the University Park campus. The center will provide welcoming and orientation facilities for visiting alumni and office space for the Penn State Alumni Association. Funds for the project, which will add 30,900 square feet to the existing University House, were raised from private support. Construction is expected to be completed in early 2001. University House was designed by the University's first president, Evan Pugh, in 1864 and has been home to 11 University presidents.

Photo: Greg Grieco

Knowledge Park at Penn State Erie named a Pennsylvania SelectSite

Knowledge Park at Penn State Erie has been named a SelectSite by Pennsylvania's Department of Community and Economic Development (DCED). This designation identifies the park as having sites that are ready for immediate development and helps market those sites to potential job-project investors.

Earlier this fall, Innovation Park at Penn State, the University's research park on the University Park campus, was designated a Pennsylvania SelectTech-Site.

The department's SelectSite/SelectTech-Sites program helps companies find the locations they need quickly and cost effectively. It joins Gov. Tom Ridge's Keystone Opportunity Zones and Land Recycling Program as new and creative approaches to economic development.

Knowledge Park at Penn State Erie is a 200-acre research and development site situated on the Penn State Erie campus, created to enable knowledge-based organizations to locate closer to and take fuller advantage of the college's intellectual and physical resources. The park is being developed by Penn State Erie and the Economic Development Corp. of Erie County.

Dedicated by Ridge in 1999, Knowledge Park has more than 20 four-acre sites for buildings of 40,000 square feet or more. It includes a shared conference center with advanced communications technology to meet all voice, video and data requirements.

The first 70,000-square-foot, multi-tenant office building is occupied by GE Business Solutions, an e-commerce arm

of GE Transportation Systems, and Aalborg Industries. The 40,000-square-foot Center for Advanced Technical Training now under construction is a partnership of Penn State Erie, the Northwest Pennsylvania Technical Institute, and the Manufacturer's Association of Northwest Pennsylvania.

A second multi-tenant office building with 66,372 square feet is now under construction, and a contract has been signed for its lease.

The SelectSites and SelectTech-Sites program is the most comprehensive and innovative program of its kind in the nation, according to Sam McCullough, DCED secretary. The initiative was developed by Ridge's Action Team as a collaborative partnership among the Pennsylvania Economic Development Association; the Team Pennsylvania Foundation; a broad consortium of electric, gas, rail and telecommunications utilities; and key technology stakeholders across the Commonwealth.

The consortium worked in consultation with Fluor Global Services, which developed rigorous criteria for designation as a SelectSite/SelectTech-Site. The sites were evaluated according to site characteristics, workforce information, educational resources and opportunities, community resources, local utilities, detailed infrastructure information, transportation access and telecommunications infrastructure.

For more information about Knowledge Park at Penn State Erie, call Robert W. Light at (814) 898-6230.



Intercom

INFORMING THE PENN STATE COMMUNITY

JANUARY 18, 2001

Governor delivers \$30 million for center at Erie

Gov. Tom Ridge has delivered \$30 million — the largest-ever state capital investment in Erie County history — to build the Research and Economic Development Center (REDC) at Penn State Erie, allowing the college to combine the physical and intellectual resources of its two professional schools to create a powerful and catalytic regional asset for economic development.

Planning for this state-of-the-art center dates back more than 10 years, and construction was designated as a high priority by the Erie Conference's Community Coalition in 1996 and again in 1999.

"This vital investment will result in new, knowledge-based jobs in Northwestern Pennsylvania," said John Lilley, provost and dean at Penn State Erie. "The REDC will be an outstanding regional resource with close ties to Knowledge Park at Penn State Erie, and it will provide support for a variety of collaborations with other colleges and universities in the region."

The 160,000 square-foot academic building will house Penn State Erie's School of Business and its School of Engineering and Engineering Technology. Through education and training programs and research and technology transfer projects, researchers

from all of the region's colleges and universities, as well as company representatives, will have access to REDC facilities and specialized, high-tech equipment.

"Today we make a powerful pledge to our talented young Pennsylvanians: 'Stay here. There's work here,'" Gov. Ridge said. "For too long, we've watched as our best and brightest have left Pennsylvania for opportunities — those good-paying jobs — can be found right here at home."

Erie, page 2

State of the art



University Police Officer Bruce Kline uses a new portable laptop computer in his vehicle. Every police vehicle on the University Park campus now is equipped with a laptop computer, which connects to a main computer. The system allows for faster identification checks, among other things.

Photo: Greg Grieco

University moving forward with plans for sprinkler system

BY TYSEN KENDIG
Public Information

Penn State continues its aggressive plan to install sprinklers in the nearly 18,000 living units on its campuses statewide.

Recently, the University employed two engineering firms — Gage-Babcock of Fairfax, Va., and Weber, Murphey, Fox of Erie — to design a sprinkler infrastructure for all Commonwealth College residence halls and apartments, as well as for West Halls, Centre Halls, Nittany Apartments, Grad Circle Apartments and four towers in East Halls on the University Park campus.

According to Thomas Gibson, assistant vice president for auxiliary and business services, these proj-

Sprinklers, page 2

Spanier assumes post as chair-elect of NASULGC

President Graham B. Spanier was named chair-elect of the National Association of State Universities and Land-Grant Colleges (NASULGC) at the association's recent annual meeting.

Gregory M. O'Brien, chancellor of the University of New Orleans, was named chair. NASULGC is the nation's oldest higher-education association, with a membership of 212 public research universities, land-grant institutions and state university systems.

"In this era of increased focus on the information superhighway, Graham Spanier served as the guiding force behind the creation of the Penn State World Campus and the School of Information Sciences and Technology," said C. Peter Magrath, president of NASULGC. "He also is a founding member of the

Spanier, page 2

Erie

Continued from page 1

Ridge noted that the creation of the REDC will allow Penn State Erie to offer Information Sciences and Technology (IST) programming to Northwest Pennsylvania. Due to a lack of space, Penn State Erie is the only Penn State location not offering the popular IST program. The IST programming — including computer engineering, computer science and software engineering — would complement the programs at Gannon University, Edinboro University of Pennsylvania, Mercyhurst College and other higher education institutions in the region, providing a major locational attraction for information technology businesses and services.

The teaching, research, and outreach activities housed in the REDC will support Knowledge Park at Penn State Erie, including attraction of future Knowledge Park tenants. Since its dedication in fall 1999, Knowledge Park has created more than 100 new jobs and retained 100 others for the region. The REDC will be located on the east side of Jordan Road, adjacent to Knowledge Park.

In October 1999, Ridge released \$2 million for Knowledge Park, bringing the Commonwealth's commitment to the technology, research and commercial park to nearly \$13 million.

The REDC will create a model of integration for business and engineering learning environments. Penn State



Gov. Tom Ridge, center, chats with John Lilley, provost and dean at Penn State Erie, left, and others. The \$30 million grant Ridge delivered to the college will create the Research and Economic Development Center, which is expected to give a major economic boost to the region.

Erie already has received a \$176,000 grant from the GE Fund to initiate this process (see story on page 19). Integrating the efforts of the School of Business and the School of Engineering and Engineering Technology will enable graduates to operate more successfully within a small-business enterprise and in a high-technology environment.

The building will house many of the college's applied research centers and

provide space for programs such as the Pennsylvania Technical Assistance Program, Ben Franklin Technology Partners and the Plastics Technology Deployment Center. It also will include space to encourage and enhance faculty, staff and student entrepreneurship. Penn State Erie hopes to expand its support of specific industry clusters, such as metals-related, foundry-related and plastics-related manufacturers.

Spanier

Continued from page 1

Board of Directors of the University Corp. for Advanced Internet Development. He has earned enormous respect for The Pennsylvania State University in his years as president there."

Spanier has been president of Penn State since 1995. Under his leadership, the University has embarked on a \$1 billion capital campaign and increased support for Penn State Cooperative Extension, to allow it to expand outreach to citizens and local communities. He also has promoted a new general education curriculum, which includes an increased emphasis on internationalization.

Spanier previously has served NASULGC as chair of its Kellogg Commission on the Future of State and Land-Grant Universities and led the association's Commission on Information Technologies. He also has spearheaded its initiatives to reduce excessive student drinking on campus. Among other leadership activities, he has served as chair of the NCAA's Division I Board of Directors and co-chair of the Council on Health Sciences and the University at the Association of Academic Health Centers.

Member institutions of NASULGC enroll more than 3.2 million students, award approximately a half-million degrees annually, and have an estimated 20 million alumni.

For more information on NASULGC, go to <http://www.nasulgc.org/>.

Sprinklers

Continued from page 1

ects should be completed within five years and would provide sprinkler service to more than 50 percent of the approximately 4 million square feet of living space at Penn State.

"Fire safety continues to be a primary concern, and we are devoting all available resources to make Penn State a safe learning environment for all of our students," said Gibson. "This is an enormous project in terms of scope and importance, but we fully expect to have all living spaces on every one of our campuses sprinkled within the next 10 years."

Gibson added that the total cost of outfitting all 17,920 living units in the University's 67 residence halls and five apartment complexes with fire safety upgrades is estimated at \$40 million to \$50 million. The University hopes that pending legislation in Harrisburg aimed at requiring sprinklers in college and university residence halls will include measures to help offset the financial burden this process will impose on institutions of higher education.

Currently, approximately 10 percent of Penn State's residence units are equipped with sprinkler systems. A dozen more buildings are slated to have sprinklers installed by fall, and all new construction and renovations University-wide include sprinkler systems.

Aside from sprinklers, the Univer-

"This is an enormous project in terms of scope and importance, but we fully expect to have all living spaces on every one of our campuses sprinkled within the next 10 years."

Tom Gibson
assistant vice president for
auxiliary and business services

sity has an extensive fire-safety infrastructure in place, including a smoke-detection system monitored 24 hours a day by local authorities, evacuation practices, illuminated exit signs and first response fire-fighting apparatus for all University police officers. Since 1998, there have only been two minor fires in University Park campus residence halls that have required extinguishing.

"We have the largest residence hall system in Pennsylvania and one of the largest in the country," said Gibson. "Even with a great safety record, we think this is a worthwhile project to pursue, despite the costs it will impose on students to pay for it."

The project will be funded by student room and board rates.

Sloan Foundation grant supports master's programs

A grant from the Alfred P. Sloan Foundation has allowed the Eberly College of Science to create three distinct programs that offer graduate students the opportunity to earn stand-alone master's degrees in certain emerging fields.

Through the Sloan Foundation's Science Master's Outreach Initiative, the college was awarded \$420,000 over a three-year period to create and implement programs in applied statistics, bioanalytical chemistry-mass spectrometry and biotechnology.

According to the Sloan Foundation, such programs are designed to provide a different kind of graduate degree. While master's degrees in many scientific fields usually represent a step along the way to a doctoral degree and a job as an educator or researcher, the Sloan Foundation hopes programs such as those at Penn State will help to create stand-alone master's degrees to prepare students for challenging and diverse opportunities in high-tech and scientific fields.

Each of the three degree programs, all of which should be fully implemented before the end of the initial three-year grant period, include interdisciplinary course work and combine expertise from different departments in the college. Each also requires an internship. Officials from Penn State and the Sloan Foundation believe such programs provide a service by preparing scientists with the specific background and experiences necessary to thrive as professionals in their selected fields.

Each of the programs involves partnerships with business and industry and provides hands-on opportunities and interdisciplinary experience. Many representatives from business and industry have already committed to their partnership with the University, discussing internship opportunities and providing input about the programs in order to best prepare science-trained professionals for their respective fields.

Stay informed

Keep on top of the latest University news through the **Employee Newswire**. Just go to the Web at <http://www.psu.edu/> and click on the link under "Announcements"

to sign up for your **FREE Employee Newswire**, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.

Reorganization of CAC looks to the future

By **HEATHER HERZOG**
Computer and Information Systems

The Center for Academic Computing (CAC), a unit that provides computer-related services such as access accounts, student labs and research tools for the University community, has recently been reorganized into two new centers that have been designed to better accommodate the University's expanding use of technology.

The change marks the beginning of the first phase in the overall restructuring of the Office of Computer and Information Systems (C&IS), a University-wide division that includes the CAC; the Office of Telecommunications; Library Computing Services; the Office of Administrative Systems; and Computer, Network and Information Security.

In the more than 15 years since the Center for Academic Computing was first formed, the University's information technology needs have expanded dramatically. To meet these needs, the

CAC's services have increased from mostly addressing research computing needs to providing a broad range of technology services to students, faculty and staff throughout the University.

The center now processes more than 2 million e-mail messages per day and answers around 100,000 questions per year. Support for specialized instruction and research tools for a wide range of scholarly interests also has increased significantly.

According to J. Gary Augustus, vice provost for information technology, while the CAC has been successful in bringing about changes to accommodate these needs, it has grown in size and scope to the point where the diverse demands placed upon it can be better met by dividing it into two centers, each with a more focused mission. To accomplish this, he announced a reorganization of the center effective Jan. 2.

Under the reorganization, Russell S. Vaughn, formerly senior director of the CAC, has assumed the new position of associate vice provost for information

technology. In this position, he will assist Augustus in the day-to-day operations of the Office of Computer and Information Systems and will continue to oversee the two units that formerly comprised the Center for Academic Computing.

These two new centers remain in the Computer Building. John T. Harwood has been appointed senior director of the first new unit. Named the Center for Education Technology Services (CETS), this organization will focus on the support of educational systems and will encompass Education Technology Services (ETS)—a group formerly directed by Harwood—which supports teaching and learning with technology in both residential education and at the World Campus. CETS will also include the Distributed Systems group, which designs and manages the computer labs and technology classrooms at University Park; the Training Group, which coordinates Web-based training and technology seminars; and Educational Outreach Services, which serves as a liaison

with faculty, student and campus groups.

Kevin M. Moroney has been appointed senior director of the second unit. This unit will retain the original name, Center for Academic Computing, and will be more narrowly focused on end-user service of a general nature. The revised CAC's divisions include Central Systems (e-mail, Web, directory and backup services); Research Computing (high-performance computing and high performance visualization); User Services and Consulting (help desk and consulting services); Account Services (management of accounts for CAC services); and the Microcomputer Order Center (MOC).

According to Rodney Erickson, executive vice president and provost, the creation of the two new centers will help the Office of Computer and Information Systems improve service to customers as well as enabling the organization to more easily accommodate the University's evolving use of technology.

PARTINGS

Several retire from University service

Norma T. Berman, campus health services nurse at Penn State Abington, from March 1, 1982, to Sept. 30.

Anne S. Cornell, information planning specialist in the College of Agricultural Sciences, from July 16, 1979, to Nov. 1.

Leslie M. Creggar, coordinator for farm and greenhouse operations in the College of Agricultural Sciences, from Jan. 1, 1983, to Oct. 1.

Harold L. Dixon, maintenance worker in the Office of Physical Plant, from Jan. 1, 1961, to July 29.

Dale J. Drost, assistant professor of engineering at Penn State Fayette, from Sept. 1, 1966, to July 1.

Willie Mae Floyd, nutrition adviser in the College of Agricultural Sciences, from April 1, 1962, to Dec. 1.

Rodger A. Glunt, assistant operations supervisor in Computer and Information Systems, from April 1, 1967, to Sept. 1.

David H. Gordon, senior extension agent in the College of Agricultural Sciences, from Sept. 16, 1963, to Sept. 30.

Kay M. Hastings, senior extension agent in the College of Agricultural Sciences, from June 7, 1962, to Sept. 30.

Marian H. Lauck, staff assistant V in the Corporate Controller's Office, from Feb. 7, 1977, to Sept. 30.

Nan-Qian Li, research associate in the College of Health and Human Development, from Jan. 23, 1982, to Sept. 1.

Betty J. Matyas, residence hall worker in

Housing and Food Services, from Sept. 4, 1973, to July 15.

Tony A. Rebuck, engineer III in the Office of Physical Plant, from Sept. 3, 1974, to July 31.

Carolyn M. Rorabaugh, staff assistant VI in the College of Medicine, The Hershey Medical Center, from Dec. 12, 1983, to Oct. 1.

Richard M. Russler, maintenance worker in the Office of Physical Plant, from Sept. 30, 1985, to Sept. 30.

Lorna K. Stover, residence hall utility worker in Housing and Food Services, from April 16, 1979, to Sept. 30.

James F. Susa, maintenance mechanic B at Penn State Hazleton, from Oct. 11, 1976, to Sept. 30.

Valerie A. Torretti, office manager in the Office of the President, from Sept. 1, 1961, to Sept. 30.

Mary Jane Wronski, instructor in the Eberly College of Science, from July 1, 1960, to Oct. 1.

John L. Zaiders, engineer III in the Office of Physical Plant, from Sept. 6, 1983, to Dec. 1.

Emeritus rank

The following individuals have earned emeritus rank from the University for their long-standing and productive years of service:

Roy H. Hammerstedt, professor emeritus of biochemistry in the Eberly College of Science, from Feb. 1, 1970, to Jan. 1.

William D. Horrocks Jr., professor emeritus of chemistry in the Eberly College of Science, from July 16, 1969, to Oct. 1.

Operations management leader retires

After a 38-year career at the University, Michael P. Hottenstein, professor of operations management in the Department of Management Science and Information Systems, has retired.

Since his appointment at the University on Jan. 1, 1963, Hottenstein developed the field of operations management at the undergraduate, MBA and doctoral levels. His course development and teaching led to an undergraduate major, an MBA emphasis and a Ph.D. concentration in operations management. He also started an executive program in production management, later renamed the Manufacturing Strategy and Technology Program.

In the early 1990s Hottenstein and Al Soyster, then dean of the Department of Industrial and Manufacturing Engineering, conceived a joint masters program in manufacturing management, known as

the Quality and Manufacturing Management (QMM) Program. Hottenstein and Clay Roud, professor of industrial and manufacturing engineering, were the first co-directors of the QMM Program.

Hottenstein chaired the promotion and tenure committee of The Smeal College, where he previously served as graduate dean, MBA program director and department head. He also was very active at the University level.

Hottenstein has been the faculty director of the Manufacturing Strategy and Technology Executive Program since its inception in 1978. He currently serves as external examiner for MBA programs at the University of West Indies in Jamaica and Barbados.

He will continue to reside in State College with his wife, Star Campbell. He expects to consult and lecture in manufacturing strategy and related areas.

Theatre professor gains emeritus rank

Robert E. Leonard, professor of theatre, has retired with emeritus rank after 20 years with the Penn State School of Theatre. Leonard has also served as head of the Master of Fine Arts Directing Program since 1981.

Before joining the faculty, Leonard worked professionally for 18 years. He toured nationally for five years as an actor and served for eight years as a resident director for Houston's Alley Theatre.

He has directed at numerous professional theatres across the

United States and has served as chair of the National Audition Committee for the University Resident Theatre Association.

In addition, Leonard was artistic director of the Pennsylvania Festival Theatre for five seasons. He has acted in or directed more than 300 productions.

His future plans include freelance directing and sailing. He will continue living in the area with his wife, Joann, who runs the MetaStages Children's Theatre outreach program for the School of Theatre.



Spring series to feature use of technology in the classroom

The Center for Education Technology Services and the Center for Academic Computing will present "Teaching with Technology," a free lunchtime series highlighting the innovative ways faculty are using computers in the classroom. Each month, instructors will speak informally about how they have applied technology to enhance teaching and learning.

The four-part series begins Jan. 26 with a presentation on the use of computer modeling in Architecture 131, a design course for freshmen in their first semester of the architecture program. Ray Masters, affiliate associate professor of architecture, will illustrate the software's creative potential through samples of student work, while discussing why the University introduces this technology to students early in their careers.

February's presentation features chemistry faculty members Gail Sathian and Joe Keiser, who will share how they made the complex process of UV-visible spectroscopy clearer and more accessible to their students through the use of animation and video instruction.

In March, Steven Thorne, associate director of the Center for Language Acquisition, will speak on the impact Web-based communication is having on

foreign language instruction and learning. As a co-investigator for the Penn State Foreign Language Telecollaboration Project, Thorne has been evaluating how interaction with native speakers through e-mail, chat rooms and video can aid students learning a second language.

The series closes with a discussion of how faculty members William Harkness and Laura Simon used technology to significantly improve the quality of education in Statistics 200, a large, lecture-based class they teach, which is required by more than 60 majors and taken by nearly 1,000 students each semester. Harkness and Simon developed Web-based coursework that gave their students the means to master much of the material independently.

The Teaching with Technology series is open to all faculty and staff, and will be held from noon to 1 p.m. the fourth Friday of each month in 141 Computer Building, University Park. Presentations will last a half an hour, followed by an open forum discussion. Registration is required, and attendees may bring lunch. Beverages will be provided.

For more information, check the Web at <http://cac.psu.edu/fmc/tech/> or e-mail fmc@psu.edu. To register, go to <http://cac.psu.edu/training/> on the Web.

Geography coffee hour schedule will focus on a variety of topics

The Department of Geography has a variety of topics planned for its weekly coffee hour presentations. Unless otherwise noted, the coffee hours begin at 3:30 p.m. in 301 Steidle Building on the University Park campus, with the presentations beginning at 4 p.m. The coffee hours are open to the public.

The schedule follows:

■ Jan. 19: David Skole, geography, Michigan State University, on "Cryptic Deforestation in Amazonia: Is It Real? The Debate on Measuring Forest Loss Continues."

■ Jan. 26: David Woodward, professor of geography at the University of Wisconsin, Madison, on "The Two Cultures" of Map History — Scientific and Humanistic Traditions: A Ples for Reintegration."

■ Feb. 2: William L. Welch Jr., mayor of State College and philatelist, on "The Bones of Rolando Kuehn: An American Physician on the Mosquito Coast."

■ Feb. 9: Simon Bronner, professor of American studies and folklore at Penn State Harrisburg, on "Killing Tradition: Children and Guns at the Heggies Pigeon Shoot."

■ Feb. 16: Rodney Erickson, provost, on "A View from the Provost's Window."

■ Feb. 23: Karen Till, geography, University of Minnesota, on "The Topography of Terror Memory and Landscape in Berlin."

■ March 16: Grace Wang, assistant professor of natural resource policy, on "Managing Pennsylvania's Deer Habitat."

■ March 23: James McCarthy, assistant professor of geography, on "Globalization and the Environmental Politics of Scale."

■ March 30: C. Gregory Knight, professor of geography, on "Vulnerability to Climate Change: The Bulgarian Example."

■ April 6: Jorge Schemet, professor of communications, on "From Universal Access to Universal Service: Americans and the Digital Divide."

■ April 13: Chris Wernstedt, Resources for the Future, Washington, D.C., on "Reality, Rhetoric and Risk in the Brownfields Façade: The Timing of the Shrewd."

■ April 20: Roger Downs, professor of geography and head of the Department of Geography, on "Worlds in Collision: Reactions to Hendri Van Loon's 1932 Geography."

Actor Danny Glover to speak at University Park appearance

Actor and activist Danny Glover will speak at 8 p.m. Thursday, Jan. 25, at Eisenhower Auditorium on the University Park campus. The event is free to the public, but tickets are required.

Tickets are available on a first-come, first-served basis at the Eisenhower box office. Tickets also may be available the night of the speech.

Recognized internationally for his performances in films such as "The Color Purple," the "Lethal Weapon" series and most recently, "Beloved," Glover has earned many awards and a place in the Black Filmmakers Hall of Fame for his on-screen work. Off-screen, he is an advocate for literacy, human rights and community development.



Danny Glover

Glover was the first good-will ambassador to the U.N. Development Program, which focuses on eliminating poverty, cleaning up the environment, creating jobs and advancing the rights of women.

The Distinguished Speakers Series is funded by student activity fees, sponsored by the University Park Allocation Committee and coordinated by the Distinguished Speakers Series Committee and the Office of Student Activities. This event is co-sponsored by the Paul Robeson Cultural Center.

For more information, call the Office of Student Activities at (814) 863-3786 or stop by 207 HUB-Robeson Cultural Center.

Gerontology colloquia series set to run

The Gerontology Center, in conjunction with the Geriatric Education Center of Pennsylvania, will hold a series of colloquia this spring. Unless otherwise noted, all presentations will be from noon to 1 p.m. in 108 Wartik Laboratory on the University Park campus and Lecture Room D at The Hershey Medical Center.

The schedule follows:

■ Jan. 24: "Awareness of Deficit in Brain Disorders," by Dr. Anna M. Barrett, assistant professor of medicine/neurology in the College of Medicine.

■ Jan. 31: "Evidence-Based Stroke Prevention in Patients with Atrial Fibrillation," by Dr. James M. Walker, professor of general internal medicine in the College of Medicine.

■ Feb. 7: "Racial Comparisons of Aging: Health Decline and Family Caregiving Among Older Adults," by Raymond T. Coward, professor and dean of the College of Health and Human Development.

■ Feb. 15: Gerald E. McCleary, Evan Pugh professor of health and human development and director of the Center for Development and Health Genetics. This presentation, given in conjunction with Psychiatry Grand Rounds, Hershey Medical Center and Chambersburg Hospital, will be held in 101 Health and Human Development Building East, University Park.

■ Feb. 21: "Testosterone and Child and Adolescent Adjustment: The Moderating Role of Parent-Child Relation-

ships," by Alan Booth, professor of sociology and human development.

■ Feb. 28: "The Regulation of Food Intake: Implications for Managing Changes in Body Weight Associated with Aging," by Barbara J. Rolls, professor of nutrition and biobehavioral health.

■ March 14: "Portraits of Midlife," by Margie E. Lachman, professor of psychology, Brandeis University, Waltham, Mass.

■ March 21: "Health Beliefs and Lifestyle Practices Among Vietnamese Adults," by Barbara W.K. Yee, professor in the Department of Health Promotion and Gerontology, SAHS/University of Texas Medical Branch, Galveston, Texas.

■ March 28: "Communication and Aging: The Structure, Function and Process of Relationships across the Lifespan," by Jon F. Nussbaum, professor of communication theory in the Department of speech Communication.

■ April 4: Charles Longino, professor in the Department of Sociology, Wake Forest University, Winston-Salem, N.C.

■ April 11: John J. McArdle, professor of psychology, University of Virginia, Charlottesville, Va.

■ April 18: "Change in Cognitive Functioning Associated with ApoE Genotype in a Community Sample of Older Adults," by Scott M. Hofer, assistant professor of human development and family studies.

Meeting to discuss strategic performance indicators

Louise Sandmeyer, executive director of the Center for Quality and Planning, and Michael Dooris, director of planning research and assessment, will convene "Strategic Performance Indicators," a dialogue about performance indicators in the context of the integration of planning, assessment and improvement, from 8:30 to 10 a.m. Friday, Jan. 19, in 404 Old Main on the Uni-

versity Park campus.

The discussion will explore how participants can or do approach performance measurement systematically. All University faculty, staff and students may participate.

Participants should register in advance with the Center for Quality and Planning, at (814) 863-8721 or psucqp@psu.edu.



More Lectures

Gene similarities among animals, humans is the topic of Saturday's science lecture

Andy Clark, professor of biology, will speak on "The Amazingly Similar Genes of Dogs, Humans and Mice" from 11 a.m. to about 12:30 p.m. Jan. 20 in 101 Thomas Building on the University Park campus. The talk is the second of six lectures during the 2001 Penn State Lectures on the Frontiers of Science, organized under the theme of "Decoding Life's Instruction Book: Genetics and Genomics." All talks in the series are scheduled for the same time and location.

Clark will discuss comparative genomics, and will demonstrate some of the things that can be learned by the comparison of the genomes of different organisms. He believes the particular case of humans, dogs and mice is intriguing because many genes have evolved quite slowly and are nearly identical across rather different animals. A key point is that scientists learn a lot about the human genome through comparisons to other animals. Also, while one might think such comparisons would only work with close relatives such as chimpanzees and humans, comparisons with dogs and mice have proven highly informative.

A professor at Penn State since 1983, Clark's research focuses on biological evolution.



Andy Clark

Upcoming lectures in the series are:

■ Jan. 27: "Mnsters or Miracles? Genetically Modified Organisms in Our Food," by Nina Fedoroff, professor of biology, Verne M. Willaman chair in life Sciences, director of the Life Sciences Consortium, director of the Penn State Biotechnology Institute and member of the National Science Board;

■ Feb. 3: "Genetic Testing: Clinical and Ethical Issues," by Maria Mascari, genetic counselor/medical geneticist at the Penn State Cancer Institute and assistant professor of pediatrics at The Milton S. Hershey Medical Center;

■ Feb. 10: "Reflections on a Golden Age: Challenge Amid Success in Human Genetics," by Ken Weiss, Evan Pugh professor of anthropology and genetics; and

■ Feb. 17: "Genetics and Functional Genomics: What We Can Learn About Cancer from Mutant Zebrafish," by Keith Cheng, associate professor of experimental pathology.

The lectures on the Frontiers of Science are sponsored by the Eberly College of Science. For more information or access assistance, call (814) 863-8453, e-mail science@psu.edu or check the Web at <http://www.science.psu.edu/alert/news.html>.

Lecture to cover status of faculty women

Phoebe Leboy, professor of biochemistry and chair of a committee that studies the equity and marginalization of female faculty at University of Pennsylvania, will visit Penn State to discuss her study in a lecture, "30 Years of Affirmative Action and Counting: Evaluating the Status of Faculty Women."

This luncheon lecture, which is open to the public, will be held Wednesday, Jan. 24, in Ballroom C of The Nittany Lion Inn. The menu is a soup, salad and lunch buffet, and reservations are required. The buffet will open at 11:45 a.m. and the lecture is expected to begin at 12:15 p.m. To make a reservation, send a check made out to Penn State for \$13.25 per person to Carol Ahmed at 330 Grange Building, University Park. Be sure to indicate on the check that it is for the faculty luncheon. The deadline for reservations is Jan. 19.

Advisers to discuss law school preparation

"Law School Preparation for Students in Any Major" will be the topic of a brown-bag lunch to be held by the Division of Undergraduate Studies on Monday, Jan. 22.

Elena De Luca, law school resource coordinator in the College of the Liberal Arts, will lead the discussion from

In addition, Leboy, who does research on the changes in gene expression associated with the formation and maintenance of skeletal tissue, will give a research seminar on "Inducing Osteogenesis in Mesenchymal Stem Cells: Why Can't a Human Be More Like a Rat?" at 1:15 p.m. Thursday, Jan. 25, in 108 Wartik.

This program is sponsored by the Faculty Issues and Development Committee of the Commission for Women and the Department of Biochemistry and Molecular Biology.

Questions about the reservations may be directed to Sue Rankin at sxr2@psu.edu; questions about the program may be directed to Renee Diehl at rd22@psu.edu; questions concerning the seminar may be directed to Carol Gay at cvg1@psu.edu.

noon to 1 p.m. in 118 Agricultural Sciences and Industries Building on the University Park campus.

All faculty and staff may attend.

For more information, call Laura Brown at (814) 865-7576 or e-mail lsb7@psu.edu.

Readings celebrate public poetry

"An Evening of Pennsylvania Poets: Readings in Celebration of the Public Poetry Project" will be held from 7:30 p.m. Jan. 23 in the Lawrence G. and Ellen Foster Auditorium, 101 Pattee Library on the University Park campus. The presentation will be followed immediately by a reception in the Charles W. Mann Jr. Assembly Room, 103 Paterno Library. Five poets will read poems, including their poem selected for the 2000 Public Poetry Project poster series.

Participating poets are Gary Fincke, John Haag, Harry Humes, Julia Kasdorf and Marjorie Maddox. The event is sponsored by the Department of English in the College of the Liberal Arts,

The Eberly Special Collections Library in the University Libraries and the Pennsylvania Center for the Book.

The Public Poetry Project, which focuses on poets with a connection to Pennsylvania, was initiated in 1999 by the late Kim Fisher, the first Paterno Family Librarian for Literature at Penn State. Fisher's vision was to display poetry in public places so that it might become part of the daily lives of a greater number of people.

The readings and reception are open to the public. For more information, call (814) 865-0401 or check the Web at <http://www.pubbook.libraries.psu.edu/poetry.html>.

Talk to cover inclusion in graduate education

The "First Annual Discussion of Inclusiveness in Graduate Education" will be held from 1:30 to 2:30 p.m. Jan. 31 in Ballrooms A and B at The Nittany Lion Inn on the University Park campus.

Anyone interested in the value of diversity in graduate education is encouraged to attend.

Orlando L. Taylor, dean of Howard University's Graduate School and graduate professor in the School of Communications at Howard, will give the keynote address titled "Achieving and Maintaining Inclusiveness in Graduate Education in the Post-Affirmative Action Environment: Challenges and Opportunities." In his talk, he will touch on why diversity is important for future leaders and how we all benefit from

diverse graduate programs. He also will discuss some ways in which we can improve the diversity of our programs.

Attendees will have an opportunity to meet and talk with Taylor at a reception immediately following his address, from 2:30 to 3:30 p.m. in Nittany Lion Inn Ballrooms D and E.

The discussion is being sponsored by The Graduate School's Office of the Dean, The Graduate School's Office of Graduate Educational Equity, The Graduate School Alumni Society, the Commission on Racial and Ethnic Diversity, The Graduate Student Association, The Black Graduate Student Association, the American Indian Leadership Program, the Native American Student Association and the Latino Caucus.

Session to cover integration of planning, improvement

Faculty, staff and students will have the opportunity to meet with leaders from Penn State and Villanova University, to discuss approaches to the integration of planning and improvement efforts.

Louise Sandmeyer, executive director of the Center for Quality and Planning, will moderate the session, which is scheduled for 1:30 to 3 p.m. Thursday, Feb. 8, in The Nittany Lion Inn Alumni Lounge.

At this session, Nirmal Pal, executive director of the Center for e-Business Research, will discuss bringing corporate approaches to academic planning in The Smear College of Business Administration. James Myers, director of the

Facilities Engineering Institute, will discuss a strategic planning initiative in the unit that provides facilities consulting for various state agencies.

John M. Kelley, executive director of Villanova's Office of Planning, Training and Institutional Research, will discuss the implementation side of strategic planning. James F. Trainer, director of planning and assessment, will present an "insider's outside look" at Villanova's quality initiative.

Participants should register in advance with the Center for Quality and Planning at (814) 863-8721 or psucqp@psu.edu.

Workshop focus is improving student performance

A one-day, interactive program for faculty focused on the development of quality learners through process education will be held from 8 a.m. to 5 p.m. Thursday, March 1, in Ballrooms A and B of The Nittany Lion Inn, University Park.

Dan Apple, founder and president of Pacific Crest, will present the workshop. Having worked with higher education since 1986, Apple has visited more than 1,200 campuses, facilitated hundreds of faculty workshops and conducted classroom sessions with thou-

sands of students.

Process education is an educational philosophy focused on improving students' learning skills. The workshop is sponsored by the Teaching/Learning Consortium and co-sponsored by the Schreyer Institute for Innovation in Learning and the Office of Undergraduate Education.

To register for this one-day orientation, call (814) 865-4442 or e-mail gd10@psu.edu by Feb. 10. Lunch is included and a reception will follow at the Faculty/Staff Club.



News in Brief

Blood drives

The American Red Cross asks faculty and staff to start the new year with a blood donation. This month, there is an urgent need for all blood types, with the demand for blood continuing to outpace the supply. The following drives will take place on the University Park campus this month:

■ Friday, Jan. 19: Arts Building, 10 a.m. to 4 p.m. Appointments are recommended. To schedule one, call Gwen at (814) 865-2591 or e-mail gwiller@psu.edu

■ Tuesday, Jan. 23: Shields Building, 9 a.m. to 3 p.m. Appointments are required. To schedule one, call Kaye Keith at (814) 863-3681 or e-mail kcm1@psu.edu

■ Wednesday, Jan. 24: Physical Plant, 9 a.m. to 3 p.m. Appointments are required. To schedule one, call Lynette Goodrow at (814) 863-2340 or e-mail lvg2@nw.psu.edu

■ Tuesday and Wednesday, Jan. 30-31: HUB-Robeson Center, 10 a.m. to 4 p.m.

To schedule an appointment for an "open" drive, call Connie Schroeder, Red Cross blood services campus coordinator, at (814) 237-2713 or e-mail ccblood@vicon.net. To confirm donor eligibility, call American Red Cross regional blood services at (800) 54-BLOOD, ext. 2797.

Media award nominations sought

The College of Communications has announced a call for entries for the 2000 Bart Richards Award for Media Criticism. The award recognizes distinguished contributions to the improvement of print and electronic journalism through responsible analysis or critical evaluation. Work nominated for the award reflects news media coverage of significant subjects or issues.

The deadline for entries is Jan. 31. Send entries to The Bart Richards Award for Media Criticism, 302 James Building, University Park, Pa. 16801-3867.

For information, call Angie Brown at (814) 865-8801, e-mail aab7@psu.edu or check the Web at <http://www.psu.edu/dept/comm/bart/award.shtm>.

Lobbying disclosure

The Pennsylvania Commonwealth Court has held that the Pennsylvania Lobbying Disclosure Act ("PLDA") is unconstitutional. However, the Commonwealth has appealed the court's decision, and the PLDA remains in effect during this appeal process.

Consequently, the University is required to maintain compliance under the PLDA pending the outcome of the appeal. The due date for Penn State's Quarterly Expense Report under the Pennsylvania Lobbying Disclosure Act is quickly approaching. In the report, Penn State must disclose all lobbying activities and expenses for the months of October, November and December 2000.

So that Penn State can meet its legal obligations under that act, it is imperative that all employee lobbying activities and associated expenses be reported to the Office of Governmental Affairs as soon as possible, to meet the Jan. 30 deadline.

The lobbying reporting forms and instructions are on the Web at <http://www.gont.psu.edu/govaffairs/PLDA.html>. The forms also can be requested from the Office of Governmental Affairs. Completed forms should be sent to the attention of Richard DiEugenio in the Office of Governmental Affairs, 117 Old Main.

For specific inquiries, e-mail Mary Ann Chavey at mc9@psu.edu and include the word "lobby" in the subject line. To view the University's policy concerning employee contacts with state and federal officials (AD 50), check the Web at <http://guru.psu.edu/policies/AD50.html>.



Listen to WPSU-FM, Penn State's Public Radio Station, for University Park weather delays. The station will have the official word on class delays and cancellations. WPSU-FM 91.5 also is on the Web at <http://www.wpsu.psu.edu/>. In addition, the official weather word will be available on the emergency number at (814) 865-4000. For a complete list of WPSU station frequencies, check the Web at <http://www.wpsu.psu.edu/about.html>.

Photo: Greg Grieco

Ninth Quality Expo

The University's commitment to improvement initiatives and teamwork is highlighted annually at the Quality Expo. The Center for Quality and Planning is seeking exhibitors to participate in the ninth annual Quality Expo, to be held April 12 at The Nittany Lion Inn on the University Park campus.

Team members are encouraged to share their experiences using quality improvement principles and/or tools. Teams do not need to have completed an improvement initiative in order to exhibit.

To register to exhibit at the Quality Expo, call Carol Everett at (814) 863-8721 by Jan. 31. Registration forms also are online at <http://www.psu.edu/president/cqp/expo2001/exhibitor.htm>. Registration forms should be mailed to the Center for Quality and Planning, 405 Old Main, University Park, Pa., 16802.

Tracking troubles

In an effort to better track trouble calls reported to the Office of Telecommunications Network Operations Center, a new application for referencing these calls has been implemented.

All interruptions or other problems with telephone/video, video or data networking telecommunications services reported to the center at (814) 863-4357 are given a case number for tracking purposes. The case number will be provided via e-mail to the person reporting the trouble. If the problem does not allow the user to receive e-mail, a case number will be provided upon request at the time of the call.

The case number is used as a tracking method for the particular trouble or problem and should be used as a reference when calling the center to inquire about the status of a previously reported problem. An e-mail notice will be sent, referencing the case number, when the reported problem is rectified.

More information is on the Web at <http://www.etc.psu.edu/help/help.asp>.

Social norming campaign

The University Park Campus-Community Partnership recently launched a social norming campaign to educate students that most of their peers are low-risk drinkers and to encourage them to take care of their friends when they have been drinking.

The campaign uses social norms theory which assumes that students overestimate the extent to which other students engage in high-risk drinking, which may cause some students to drink at higher levels.

The University Park Campus-Community Partnership was formed in 1999, and involves 44 representatives from the University and the Centre Region working together to reduce the negative consequences of high-risk alcohol use.

Conflict of interest reminder

Employees of the University are reminded that they should exercise the utmost good faith in all transactions that touch upon their duties to the University and its property. In their dealings with and on behalf of the University, employees will be held to a strict rule of honest and fair dealings between themselves and the University.

Employees should not use their positions, or knowledge gained in those positions, in a way that a conflict of interest might arise between the interest of the University and that of the individual. Employees should disclose to the administrative head of the college or other unit in which they are employed, or other appropriate superior officer, any potential conflict of interest of which they are aware before a contract or transaction is consummated.

News in Brief

Continued from page 6

New look, address

As a result of feedback from a recent user survey, the Administrative Information Systems (AIS) Web site is presenting a new look and a new address later this month. Although the site can be reached at its current address, <http://ais.psu.edu/> is the one that should be bookmarked.

The structure of the site remains unchanged, but the home and secondary level pages have a new look. Essential news is now available from the home page. The search capability is more visible and also available directly from the home page.

Additional user-recommended enhancements will be made over the next few months and will be announced in the essential news section.

Health Services re-accredited

University Health Services has again been awarded the certificate of accreditation by the Accreditation Association for Ambulatory Health Care Inc. In order to achieve re-accreditation, University Health Services underwent an intensive on-site survey of its facilities and services. The survey findings resulted in a full three-year accreditation.

The AAHC conducts its accreditation program on a national basis and has accredited more than 500 ambulatory health care organizations. It is a private, non-governmental, not-for-profit organization.

International fellowships

International graduate fellowships are available from the Ford Foundation for 2001-02. The foundation's program is designed to help prepare a new generation of future leaders for the challenges of the 21st century.

The centerpiece of the foundation's \$330 million commitment is the new Ford Foundation International Fellowships Program that will provide \$280 million over the next 10 years to support post-baccalaureate study for Fellows from Africa, the Middle East, Asia, Latin America and Russia.

The program provides support for up to three years of formal graduate-level study. Fellows will be selected from countries in Africa and the Middle East, Asia, Latin America and Russia where the Foundation maintains active overseas programs. U.S. nationals are not eligible, although Fellows may study in the United States.

For 2001-2002, eligible countries include West Africa (Nigeria, Senegal and Ghana), Chile, Peru, Russia and Vietnam.

For details, check the Web at <http://www.fordfound.org/>.

Carpool

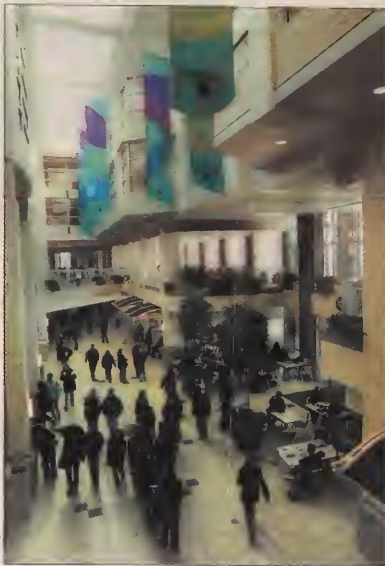
■ Riders are needed for a carpool from Phillipsburg to University Park. Work hours are 8 a.m. to 5 p.m. Monday through Friday. Call Tim at (814) 865-6524 or e-mail tmw3@psu.edu.

■ Riders are needed for a carpool from Tyrone to University Park. Work hours are 8 a.m. to 5 p.m. Monday through Friday. Call Jen at (814) 865-9505 or e-mail jenny@cse.psu.edu.

For the Record

The master plan for Penn State Beaver does not include a new library. Incorrect information was given in a story on page 6 of the Nov. 30 Intercom. For the corrected copy of the story, check the Web at <http://www.psu.edu/ur/2000/17nov00beaverplan.html>.

Just passing through



Students make their way through the ground floor of the HUB-Roberson Center on the University Park campus. Classes are now under way for spring semester.

Photo: Greg Grieco

BOOK SHELF

Harry Carey, professor in the department of agricultural and extension information in the College of Agricultural Sciences, *Communications in Extension*, published by FAO, Rome

Carey's book is a teaching and learning guide for use by institutions of higher education and extension services in developing countries. Expensive, high-end technology was purposely omitted due to the lack of resources and infrastructure in most resource-poor countries.

William Duiker, professor emeritus of East Asians studies in the College of the Liberals Arts, *Ho Chi Minh: A Life*, published by Hyperion Books.

Duiker's biography of Ho Chi Minh explores both the personal and political life of one of the 20th century's most controversial political leaders. Duiker was stationed at the U.S. Embassy in Saigon as a foreign service officer in the mid-1960s and has spent nearly 30 years researching this book.

Caroline D. Eckhardt, professor of English and comparative literature and head of the Department of Comparative Literature, and **Robert R. Edwards**, distinguished professor of English and comparative literature and director of the Institute for the Arts and Humanistic Studies, *A Companion to Chaucer*, published by Blackwell (Oxford).

Eckhardt and Edwards each authored chapters in the book, which was edited by Peter Brown. The book brings together contributions from 29 scholars in North America, Europe and the United Kingdom on facets of Chaucer's writing and historical context. Eckhardt wrote the chapter on "Genre," which examines the literary forms of Chaucer's poetry and the aesthetic tensions in his work between poetic conventions and authorial innovations. Edwards wrote the chapter on "Narrative," which focuses on the formal techniques of description and performance and on Chaucer's use of them to convey poetic meaning.

University updates directory services

For years, faculty, staff and students have used the University's "Ph" online directory to look up information about others in the University community. This past Monday, the Center for Academic Computing implemented a new directory server.

Lightweight Directory Access Protocol (LDAP), a client-server protocol for accessing directory information, is now online as an update to the directory server ph.psu.edu.

The system provides a more current means of providing directory information. The international technical community has created LDAP as a standardized way of distributing information, to enable new services and make it easier to add friends and colleagues at other institutions to e-mail address books.

Using database resources from the Office of Administrative Systems and from the Center for Academic Computing Tracking of User Services (CACTUS), LDAP provides easy access to such information as class lists. The system follows existing federal and state privacy laws and includes mechanisms for individuals to have their information withheld. Care has been taken to ensure that University policy is closely adhered to as well.

The transition from Ph to LDAP at Penn State involves a three-phase plan. Phase I, implemented Dec. 4, is a read-only server, which is updated from changes made via the CAC Secure Server at <https://www.work.psu.edu/> and CACTUS on a daily basis.

Phase two, scheduled for March, will permit immediate updates from <https://www.work.psu.edu/>. This means that changes made by individuals to their directory information will be updated immediately rather than after a delay of one or more days.

The final phase of this project, to be completed by mid-summer, will use LDAP for most of the University's major services. Users will be allowed to make dynamic, live updates from native LDAP clients installed on their personal machines.

Ph queries will continue to be supported through a Ph-to-LDAP gateway. When making a request to Ph, either from a client or the University's online directory, the bridge will make the request to LDAP and return the results to the user.

For more information, including instructions for changing the configuration on individual clients to start using LDAP, check the Web at <http://cac.psu.edu/ldap/>.

Community of Science is a valuable resource for faculty

Is your profile included in the Community of Science database?

"If you don't know what the Community of Science is, then your profile isn't listed," said Eva J. Pell, vice president for research and dean of The Graduate School. "And if it isn't listed, you are missing out on important opportunities."

The University subscribes to the Community of Science Inc. (also known as the Community of Scholars or COS) to help faculty locate funding sources and potential collaborators. In addition to its value to individual faculty, COS is one of the chief methods by which the Office of the Vice President for Research puts together interdisciplinary groups for joint funding proposals and responds to requests from industry.

COS is a series of linked databases including COS Expertise, a global registry of some 400,000 researchers in all disciplines at more than 1,300 universities, research institutions, agencies and corporations; and COS Funding Opportunities, which holds detailed information, updated daily, on more than 18,500 funding opportunities worth more than \$30 billion.

Awards in the Funding Opportunities database include research grants; scholarships; postdoctoral awards; fellowships; support for visiting faculty; funding to attend or organize conferences, seminars and workshops; prizes and awards; equipment grants; facility access opportunities; funding for the arts; publishing support; and funding to develop programs to benefit the public or the environment.

The University's institutional subscription covers the use of these COS databases (as well as the *Commerce Business Daily*, the *Federal Register*, U.S.

Patents and AGRICOLA) for all faculty and staff.

Through the COS Expertise database, researchers can identify peers and potential collaborators by searching on keywords within the Penn State Expertise database or worldwide; find Penn State alumni; find all awards by a certain company; find out who at the University has a current NSF grant (if all faculty are in the database); track current research (at Penn State or worldwide); and publicize research interests to corporations, foundations and government agencies.

At Penn State, the SIMS system is linked into COS, allowing a research administrator to click on the faculty name and immediately access a profile from COS if that faculty member is in the COS database. Currently, however, only half of Penn State's faculty members have submitted profiles, which limits the institutional value of the database.

For these reasons, the vice president's office strongly recommends that all faculty members submit an expert profile to the COS Expertise database and update it yearly.

To assist them, Research Publications has prepared a COS Resource Page (check the Web at <http://www.research.psu.edu/cos/>) that includes step-by-step guidelines on how to create or update a COS Expertise profile, how to search for profiles of other Penn State faculty, how to search for funding opportunities and how to use the automated COS Funding Alert service, as well as links to the Community of Science's own Web pages.

For more information on COS at Penn State, call Nancy Marie Brown, director of Research Publications and Policy, at (814) 865-3477 or e-mail nmb1@psu.edu.

Sidewalk patrol



Doug Treaster clears a path by the Cedar Day Care facility on the University Park campus and then scatters anti-skid materials along the sidewalk. The return of winter weather makes Treaster's job a priority on the campus in January.

Photo: Greg Grieco

Cooperative Extension, Schreyer Honors College create internship program

A new partnership between Penn State Cooperative Extension and The Schreyer Honors College will create internships enabling Schreyer Scholars to apply their learning outside the classroom within communities throughout Pennsylvania.

"Students simply can't gain access to the best career or graduate school opportunities without this kind of experience," said Cheryl Achterberg, dean of The Schreyer Honors College. She added that this partnership has great potential to make life better for many people.

The internship program, which begins next summer, will match honors students with Penn State Cooperative Extension agents throughout the Commonwealth on community projects, according to Theodore R. Alter, associate vice president for outreach, director of Cooperative Extension and associate dean in the College of Agri-

cultural Sciences at Penn State.

"I have asked our regional directors of Cooperative Extension and Outreach to identify potential internship opportunities for the students," Alter said. "Our goal is to ensure that each internship project affords a substantive intellectual and practical experience for the student."

Alter envisions students will make significant contributions in such areas as designing curricula, teaching, developing and conducting workshops and evaluating the impact of outreach programs on the people and communities served by the programs.

"I hope that through the internship program, the students will have an intellectual, challenging and rewarding experience; that they will gain practical perspective and experience in their subject matter or discipline, as it applies to the everyday world of work serving others; that they will be

exposed to Outreach and Cooperative Extension work as a career opportunity; and most importantly, that they will become engaged in their community — thus experiencing and learning the value of civic involvement," he said.

"The internship program is a very rich initiative in terms of learning for the students and Cooperative Extension educators," Alter added. "This program is a manifestation of the University's commitments to engagement, to civility and to the integration of teaching, research and service."

Alter said the partnership between Penn State Cooperative Extension and The Schreyer Honors College demonstrates the collaboration and connection of Penn State Cooperative Extension across the entire University and the University's commitment to integrating teaching, research and service through outreach.

Josephine Carubia, coordinator of

Student Programs and Service Learning for The Schreyer Honors College, noted the partnership benefits everyone involved. She and Alter are working together to implement this program.

The Schreyer Honors College and Penn State Cooperative Extension have committed \$10,000 each to provide students with stipends during their internships — an indication that both partners are serious about supporting this program, Carubia said.

"This financial commitment makes it possible for more students to consider applying," she said.

Planning is under way to develop internship opportunities, and the program's first interns are being selected.

Carubia said the Cooperative Extension Director Leadership Team for the Capital Region already has suggested several possible internship opportunities.



Appointments

Health and Human Development expands Vondracek's role

Fred W. Vondracek has been appointed associate dean for undergraduate studies and outreach in the College of Health and Human Development.

Last August, Vondracek was appointed associate dean for outreach in the college. His position has been extended to include oversight of the college's undergraduate academic programs.

In his new role, Vondracek will provide oversight and leadership for both the undergraduate academic programs and the outreach activities of the College of Health and Human Development.

A member of the Penn State faculty since 1969, Vondracek has served as acting head of the Department of Human Development and Family Studies, and as professor-in-charge of undergraduate programs and internship programs in



Fred W. Vondracek

the same department. He was director of the Division of Individual and Family Studies and professor-in-charge of continuing education and community service programs in the college.

Vondracek has co-authored two books, published more than 65 book chapters and journal articles, and has made scientific presentations at more than 60 meetings and conferences.

Vondracek received his bachelor's degree in psychology in 1964 from Concord College, W.Va. He received his master's degree in psychology in 1966 from Penn State and his doctorate in clinical psychology in 1968 from Penn State. He completed a postdoctoral clinical internship in 1969 at the U.S. Veterans Administration Hospital in Salem, Va.

Former IBM consultant joins the IST Solutions Institute

Jan Bryan Mahar, a former SAP educational consultant for IBM, has joined the School of Information Sciences and Technology (IST) as a business solutions associate and instructor. Mahar will hold a joint appointment as a staff employee and a faculty member.

Mahar will be part of the IST Solutions Institute, the school's outreach arm, and work closely with Frederick D. Loomis, Institute director, in managing special projects. Among those projects will be the development of the IST professional master's degree program and outreach initiatives. One particular area on which she will focus will be fostering the enrollment of female students in IST and creating programs to interest female students in high school and middle school in pursuing the information sciences.

Mahar will assist in the development



Jan Bryan Mahar

of linkages between IST and business, government and educational institutions. She also will teach online courses, special-topic modules in continuing education and executive seminars.

A 1970 graduate of Grove City College with a bachelor of science degree in mathematics, Mahar later earned a master's degree in administrative management from Union College. She joined IBM as a manufacturing information systems programmer shortly after graduating from Grove City. After that, she was an industrial engineer supporting computer manufacturing, a lab developer designing statistical models and a software developer in their corporate headquarters' 3-D graphic program office. Most recently her primary focus was transferring IBM production procurement worldwide buyers from their legacy systems to e-business/SAP.

IST appoints assistant to the dean for human resources

Christopher A. Fivick has been appointed assistant to the dean for human resources in the School of Information Sciences and Technology (IST).

Fivick joins IST after having served as human resources officer for The Smeal College of Business Administration since 1997. He succeeds Raymond Holsing, who has taken a human resources management position with the Commonwealth College.

In his new role with IST, Fivick will be responsible for shaping the school's human resources programs and managing human resources services for members of the faculty and staff.



Christopher A. Fivick

Fivick joined the University in 1995 as a human resources officer responsible for employees in the Commonwealth Education System. Before that, he held positions with Agway Inc. in Syracuse, N.Y., for nearly 20 years. He began as a line plant manager in 1975, shortly after he graduated from Albright College with a bachelor of arts degree. In 1983, Fivick became a district manager with Agway's Energy Division, then in 1987 was named regional human resource manager.

In addition to his other duties at Penn State, he has served on numerous committees and task forces at the University.

Longtime law faculty member named to new professorship

John A. Maher, professor of law and former dean of The Penn State Dickinson School of Law, has been appointed to the newly created H. Laddie and Linda P. Montague Professorship at the school.

Maher has been a member of the faculty since 1973, having joined the school after a career in private and corporate practice. Through his years in private practice and his subsequent scholarly work, he has been long recognized as an expert in securities regulation, trade regulation, antitrust law



John A. Maher

and maritime law. From 1989 to 1994 he served as dean of the school. Gov. Tom Ridge appointed him to the Pennsylvania Securities Commission in 1997.

The professorship is designed to honor a member of the law school faculty whose teaching and research interests involve questions of civil justice, including matters related to the protection of consumers' rights.

Laddie Montague is a 1963 graduate of the school and a practicing Philadelphia attorney.

Delaware County welcomes a new development director

Beverly Grove was recently appointed the director of development at Penn State Delaware County.

At Penn State Delaware County, Grove will be responsible for developing fund-raising programs and for directing related activities. She also will assist in identifying, cultivating and soliciting alumni and other potential donors.

Grove also will be working on Penn State Delaware County's Grand Destiny Campaign. The goal of the campaign is to raise \$3 million in private support for



Beverly Grove

students, faculty, programs and carefully selected projects. The campaign is part of the University-wide campaign to raise \$1 billion to strengthen its mission of teaching, research and service.

Before accepting the position at the campus, Grove was a marketing representative for HealthSouth. Earlier, she earned her bachelor's degree in health education from Temple University.

Grove was a health services representative at Jefferson Health System.

Smeal management professor named to serve as director

The Smeal College of Business Administration has named Jack M. Stevens as director of Outreach and Cooperative Extension.

Stevens is professor of management and organization, and will be liaison for all of the college's interactions with Outreach and Cooperative Extension, including: the World Campus, Continuing Education, Distance Education, Conferences and Institutes, Independent Learning and Distributed Learning. He will immediately assume his new responsibilities.

Stevens has served as graduate program officer for two different graduate degree programs at the University. In addition, he was chair of the public and nonprofit sector division in the Academy of Management and chair of the section of management science and policy analysis in the American Society for

Public Administration.

In 1996, he was a visiting professor in the Corporate Environmental Management Program at the University of Michigan School of Business. Stevens is a member of several professional societies, serves on the board of two journals and is an ad hoc reviewer for others.

He has been a consultant for and participated in federal, state, local and private-sector executive development programs, served as an officer in the U.S. Marine Corps and was employed by the Department of Defense in Washington, D.C.

Stevens earned his bachelor's degree from Penn State and a master's degree at The U.S. Naval Postgraduate School. He received his MBA and doctorate from State University of New York at Buffalo.

College of Ag Sciences appoints development director

The College of Agricultural Sciences has appointed John Krumrine as director of development.

Krumrine comes to the college from the University's Office of Corporate and Foundation Relations, where for the past four years he has been associate director. He has created and fostered relationships with Fortune 500 companies and identified key individuals within corporations to develop successful partnerships and programs for the University.

Krumrine received his bachelor's

degree in parks and recreation from Penn State, where he was captain of the golf team. He retired with the rank of major from the U.S. Air Force in June 1999, having served in active duty until 1988.

Before his appointment in corporate relations, John held the position of continuing education representative for Penn State Shenango from 1992 to 1996. Before that he was an admissions counselor in the Undergraduate Admissions Office at University Park from 1988 to 1992.



Private Giving

\$1 million gift will benefit College of Earth and Mineral Sciences

Alumnus and retired petroleum industry executive Donald F. Harris has pledged more than \$1 million to broaden educational opportunities for undergraduates and faculty in the College of Earth and Mineral Sciences.

The gift, to be made through Harris' future estate, is targeted to endow the college Center for Advanced Undergraduate Studies and Experience (CAUSE) and to establish the Donald Harris Academic Excellence Fund in Global Business Strategies.

Harris designated \$400,000 for global business strategies, a new minor that the College of Earth and Mineral Sciences created cooperatively with The Smell College of Business Administration. The minor introduces students to financial, investment and manage-

ment concepts of private sector organizations whose operations emphasize the earth and its environment; the energy and mineral industries; and the development of new and enhanced materials. This part of the Harris gift also will provide an opportunity for the development of a CAUSE course that will integrate the curriculum of global business strategies into the CAUSE program, according to John A. Dutton, dean of the College of Earth and Mineral Sciences.

The remainder of the gift will support the CAUSE program directly. CAUSE provides students with "real life" experiences encompassing research, discovery, speculation, writing and debate. Each year, a select number of outstanding juniors and seniors, representing a

cross-section of the college's disciplines, are invited to participate in a CAUSE project involving the earth and its resources. Students have traveled around the country and the world engaged in projects as diverse as studying the effects of global warming on rural Pennsylvania; examining coral reef demise in the Florida Keys; and discovering the impact of natural hazards in New Zealand. For the 2000 CAUSE project, students are studying the effects of energy choices on the environment.

Harris earned his degree in petroleum and natural gas engineering from Penn State in 1948. During his 46-year career, Harris worked for Standard Oil of California, the Gulf Oil Corp. and Kuwait Petroleum.

Materials Research Lab receives \$800,000 grant for new laboratory

By ANNE DANAHY
University Relations

The W.M. Keck Foundation has awarded an \$800,000 grant to the Materials Research Laboratory (MRL) to provide funding for a new laboratory specially designed to support MRL's work in smart materials.

"Right now, MRL is designing devices that bring together electrical, mechanical and optical functions to create a new generation of integrated components," said Gary Messing, director of MRL and professor of ceramic science and engineering. "We want to extend the ideas of integration and miniaturization beyond the realm of silicon integrated circuits."

Smart materials are those that can both sense a change in the environment and respond to that change in a useful way, according to Robert Newnham, an emeritus faculty at MRL, who is one of the pioneers of the field.

In addition to the \$800,000 grant, MRL will receive \$310,000 in University funds to cover the estimated cost of the \$1.1 million laboratory, which will be housed in MRL's current facilities at University Park. The W.M. Keck Smart Materials Integration Laboratory will be staffed and open for use by students and faculty. MRL faculty will work closely with the medical, communications, consumer electronics, manufacturing and transportation industries on the integration of novel materials into devices.

"When you open up a computer or a cell phone, there are often hundreds of individual components on the main boards," said Susan Trolier-McKinstry, MRL's associate director who also is an associate professor of ceramic science and engineering and will head the lab. "The Keck Laboratory will greatly enhance our ability to learn how to co-process many of these devices, so that they can be made smaller, lighter and less expensive. This is just one example of the type of work the Keck Laboratory will enable. We also will be using the new facility to build novel miniature sensors for medical diagnostics and industrial equipment monitoring, optical components for telecommunications and tiny actuators for minimally invasive surgery."

MRL is an interdisciplinary unit, bringing together fields such as mathematics, physics, materials science and engineering, electrical engineering and acoustics. It is internationally recognized for work in ferroelectrics and smart materials, and for the design of devices such as the ultrasonic probe used for prenatal monitoring, electronic components for cell phones and passive electronics for consumer electronics. The new facility is scheduled to open in spring.

The Los Angeles-based W.M. Keck Foundation is a philanthropic organization founded in 1954. It awards grants to support research in medicine, science and engineering.

Alumnus donates patent on military seat to University

By ANNE DANAHY
University Relations

U.S. military forces may suffer fewer injuries from high-impact collisions and explosions with the development of specially designed vehicle seats that the University hopes to develop, thanks to a monetary gift and the gift of a patent from alumnus Alan Cantor.

The University's Pennsylvania Transportation Institute will work with Cantor and his company on the seats' developments. The donation is valued at more than \$9 million by an outside independent evaluator.

"The seat has been designed to control forces coming up from the bottom of the vehicle and going into the spine," said Cantor, who is chairman and CEO of ARCCA Inc., a Bucks County-based consulting firm that specializes in preventing and investigating transportation disasters. "The force from a collision multiplies as it travels through the vehicle, and it has a catastrophic effect on the spine. This seat design offsets the force very simply by the use of specialized foams and the specific geometry of the seat structure and the seat belts."

Engineers at ARCCA will work with Don Streit, professor of mechanical engineering and director of the Vehicle Systems and Safety Program

in the Pennsylvania Transportation Institute, on the research and development of the seats.

The initial research will examine light trucks going over land mines, which can cause passengers to suffer from fractured spines, according to Streit.

ARCCA already has performed a series of crash tests on the vehicle seat with excellent results and the U.S. Army currently is using a prototype of the seat, according to Cantor.

"This is of important military value," said Ron Huss, associate director of Penn State's Intellectual Property Office. "One thing that might be down the pike is that this patent design may have civilian application in relieving stress on the spine that comes from accidents and from sitting in automobiles for lengthy periods of time. Right now, the intent is for all U.S. Army vehicles that are deployed to be protected with this technology."

Cantor earned a bachelor's degree in aerospace engineering from Penn State in 1972. From 1982 through 1987 he worked for the U.S. Navy as an engineer specializing in occupant crash protection. In 1987 he founded ARCCA, which focuses on promoting high levels of occupant safety in both ground and air vehicles.

Report puts Penn State first in awarding baccalaureate engineering degrees

A new report on engineering and technologies degrees by the Engineering Workforce Commission named Penn State as the top university in number of engineering baccalaureate degrees granted.

During the 1999-2000 academic year, the College of Engineering awarded 1,263 bachelor's degrees. Georgia Tech was second with 1,243 and Illinois third with 1,136.

Robert Pangborn, associate dean of undergraduate studies, said the numbers are encouraging for both students and employers.

"The new engineering graduates are enjoying an extraordinarily attractive employment market," Pangborn said. "A survey of students graduating from the College of Engineering during the 1999-2000 academic year indicated that students were invited to visit three compa-

nies on average and received two job offers. The demand is strong in every engineering discipline. The new baccalaureate graduates in 1999-2000 reported accepting entry-level positions at salaries averaging \$45,700."

Penn State also ranked third in total number of engineering degrees awarded, including bachelor's, master's and doctoral degrees, with 1,834 for 1999-2000. Georgia Tech had the most with

2,019 and Michigan followed with 1,853.

Other rankings issued by the commission placed the College of Engineering sixth in the number of bachelor's degrees awarded to women and eighth in total degrees (undergraduate and graduate) to women.

Engineering also ranked ninth in the number of master's degrees awarded and 10th in number of doctoral degrees awarded.



Courses

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/web-classic/catalog/healthmatters.cfm>.

■ Tai Chi — WEL 121

(Intermediate and Advanced Levels Only) This series will focus on achieving continuity of movement through practice of the various forms. Meets noon to 1 p.m. Thursdays through March 1 in the Frizzell Room of Eisenhower Chapel. Cost: \$25.

■ Do You Know What Your Kids are Eating? — WEL 237

(First of a two part series) This discussion will cover what foods children eat and what they are not eating that might be better for them. Bring a box or package of the child's favorite snack or food to this session. Meets noon to 1 p.m. Wednesday, Jan. 24, in 102 Health and Human Development East. Cost: \$10.

Records management

Join Jackie Esposito, Penn State's records management expert, for a free, one-hour workshop on organizing records. "Organize Your Files and Records the Penn State Way" is scheduled for 9-10 a.m. Thursdays, Jan. 25, Feb. 22, March 29 and April 26 in the Mann Assembly Room, 104 Paterno Library.

Esposito will explain the details of University policy AD-35, "University Archives and Records Management," and help participants use the retention schedules (General Forms Usage Guide Appendices 18 and 21) to determine how long records should be kept. She also will offer time-saving hints on organizing and coordinating records and introduce participants to the services of the Inactive Records Center and the University Archives.

To register, call Esposito at (814) 865-7931, or e-mail jxe2@psu.edu.

CQI

Employees looking for professional development opportunities may want to consider training and serving as a Continuous Quality Improvement team facilitator. The training to become a CQI team facilitator includes two programs held on the University Park campus.

To register, complete the registration form found in the HRDC catalog or at <http://www.ohr.psu.edu/hrdc/register.html> and mail or fax it to HRDC. For programs with no cost, register by calling (814) 865-8216. For more information, call Barbara Sherlock at (814) 865-1413 or e-mail bjs12@psu.edu. The courses follow:

■ CQI Team Facilitation

Offered from 8:30 a.m. to 4:30 p.m. Jan. 26 at The Penn State Conference Center Hotel. Cost: \$10, including lunch. The Overview of CQI is recommended as a prerequisite.

■ Using the CQI Tools

Offered from 8:30 a.m. to 4:30 p.m. Feb. 2 in 319 Rider Building.

CELT

The Center for Excellence in Learning and Teaching (CELT) is offering two spring ses-

sions of the Penn State Course in College Teaching. One session will meet on Mondays, 1:15-3:15 p.m., Jan. 29-April 9, and the other on Wednesdays, 4:46 p.m., Jan. 31-April 11. This noncredit course is open to all Penn State instructors who are either currently teaching or taking a short break from the undergraduate classroom. Preregistration is required. To register, call (814) 863-2599. For more information, check the Web at <http://www.psu.edu/ceit/CCT.html>.

Life Sciences Library

The Life Sciences Library announces three classes scheduled in February for faculty, staff and students. The classes include Introduction to the Life Sciences Library, 1-2 p.m. Feb. 5 or 3-4 p.m. Feb. 7; Using the Ecology and Botany Collection on JSTOR, 2-3 p.m. Feb. 13 or 3-4 p.m. Feb. 21; and Using CAB Abstracts and the New Interface, 1-2 p.m. Feb. 27. All classes will be held in 403 Paterno Library. Schedule and class descriptions are on the Web at <http://www.libraries.psu.edu/pubinfo/libraryinstru.html>. For more information, call Kathy Pescenyer at (814) 865-3703 or kaf12@psu.edu.

McCoy Natatorium

The McCoy Natatorium on the University Park campus is offering the following classes for spring semester:

■ Aquatics

Classes run from 9 to 10 a.m. Monday, Wednesday, Friday and Saturday at The Penn State Conference Center Hotel; 10 to 11 a.m. Tuesday and Thursday at the McCoy Natatorium; noon to 12:30 p.m. Monday through Friday at the McCoy Natatorium; and 5:30 to 6:30 p.m. Monday, Wednesday and Thursday at the McCoy Natatorium. Cost: \$25 for a semester pass.

■ Age Group Springboard Diving

The first five-week session started Jan. 9. A second session will be offered in the spring.

■ Group swimming lessons

Classes begin March 12 and continue for four weeks. Classes are 30 minutes long and run between 3:30 and 5:30 p.m. Monday-Wednesday or Tuesday-Thursday.

■ Penn State Aquatics

This year-round program offers competitive training for age group swimmers. Schedules vary depending on ability level.

■ Private swimming lessons

Lessons are available on a flexible basis year round. Cost is \$15 per 30 minute lesson. For more information, call Jon Larson at (814) 863-3945 or e-mail jlarsen@psu.edu.

Fitness classes

Fitness and aerobics classes for faculty and staff are now under way in White Building, Rec Hall and IM Building on the University Park campus. Passes are available for those with a PSU ID+, and are \$52 for the semester. Passes also provide access to the workout rooms, including the new White Building fitness center. For more information, call the Fitness Hotline at (814) 865-FITT or check the Web at <http://www.clubs.psu.edu/fitnessprograms/>.

OBITUARIES

Inyoung Ham, 74, distinguished professor emeritus of industrial engineering, died Nov. 23.

In 1948, he received a bachelor's degree from Seoul National University, Korea; in 1956, a master's degree from the University of Nebraska; and, in 1958, a doctorate from the University of Wisconsin; all in mechanical engineering.

Since 1958, he was associated with Penn State, retiring as distinguished professor emeritus of industrial engineering in 1995. He also served as FANUC Professor of Industrial Engineering from 1989-92 and director of the Manufacturing Research Center from 1990-92.

Before his death, Ham was serving as director of the Foundation for Promotion of Advanced Automation Technology in Japan.

Claus P. Janota, 59, former research associate for the Applied Research Laboratory (ARL) and assistant professor in the graduate program in acoustics, died Nov. 4.

After immigrating from Germany, Janota received a bachelor of science degree in mathematics and physics from Midwestern University in 1962—the first physics graduate from that institution. He studied physics at Penn State from 1962 to 1964, and served as a U.S. Army officer in Germany from 1965 to 1968.

Janota started at ARL as a research assistant in 1968, and was promoted to research associate in 1977 after earning a doctorate in acoustics. In 1984 he took a dual appointment as research associate and assistant professor in acoustics.

Janota worked with the submarine fleet at Pearl Harbor through the Navy Science Assistant Program from 1980 to 1982 and was on sabbatical at the Australian National University in 1989.

Janota received ARL's technical contribution award in 1978 for inventing a Braille interface for electronic calculators and research into computerized speech recognition.

Emery Keck Jr., associate professor of animal science in the College of Agricultural Sciences, from Feb. 1, 1954, until his retirement April 1, 1985; died Dec. 11, at the age of 78.

Donald L. Krebs, photographer in the College of Earth and Mineral Sciences, from Aug. 1, 1958, until his retirement Jan. 3, 1990; died Dec. 13. He was 75.

John D. McAulay, 88, professor emeritus of education, died Dec. 14. He taught at Penn State from 1959 to 1977.

He taught school in a one-room schoolhouse in Vulcan, Alberta, Canada, and served in the Royal Canadian Armed Forces. He received a master's degree from the University of British Columbia and a doctorate in social studies from Stanford University in 1948. From 1958-59 he taught at Southern Oregon College in Ashland, Ore. He went on a Fulbright Scholarship to Australia in 1956 and spent two years abroad.

He also taught in South America, South Africa, Rhodesia, Canada, Panama, the Philippines, Costa Rica and elsewhere.

Colette R. Welch, senior psychiatric assistant in the College of Medicine, The Hershey Medical Center, from Aug. 20, 1973, until her retirement Dec. 1, 1995; died Dec. 17, at the age of 63.

Mary Jane Wiles, senior assistant librarian in University Libraries, from Sept. 1, 1962, until her retirement March 31, 1984; died Nov. 15. She was 76.

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<http://www.psu.edu/>

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Arts & Entertainment

Recitals

■ Eleven undergraduate students who study with faculty members in the School of Music will perform in a free jury recognition recital at 8 p.m. Friday, Jan. 19, in the School of Music Recital Hall, University Park.

The performers are students of Rick Murrell, John Daniel, Richard Kennedy, Eleanor Duncan Armstrong, Steven Smith, Kim Cook, Timothy Deighton, Mark Lusk, Timothy Shafer, Dan Armstrong and Gifford Howarth.

■ Barry Hannigan, pianist and head of the piano faculty at Bucknell University, will present a free recital at 8 p.m. Feb. 3 in the Music Building recital hall, University Park.

Bach's Lunch

La Vergogna String Quartet will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Jan. 25, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The quartet is coached by Timothy Deighton, assistant professor of music.

After the free concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Center for Arts and Crafts

The Center for Arts and Crafts is now taking registrations for spring 2001 art classes on the University Park campus. Classes begin the week of Jan. 22.

Brochures are available at the HUB-Robeson Center Information Desk. For more information, call the Center for Arts and Crafts at (814) 863-0611.

Student art at Penn College

An exhibition of works by students at Pennsylvania College of Technology will be on display through Jan. 26 at the college's 202 Gallery on the south end of the second floor of the Alvin C. Bush Campus Center.

Faculty sponsor for the exhibition is Patrick Murphy, associate professor of advertising art at Penn College.

Viewing of the show will be by appointment only. To make arrangements, call (570) 326-3761, ext. 7491.

Special service for patrons with sight loss

Four central Pennsylvania eye care providers have teamed up with the Center for the Performing Arts to help supply audio description to arts patrons with sight loss.

The eye care professionals have contributed to a fund that will provide tickets discounted by \$10 each to sight loss patrons for selected events at which audio description is offered.

Participants are: J.A. Alianello, a State College-based optometrist; Central Pennsylvania Eye Associates Ltd.; Nittany Eye Associates in State College, Spring Mills and Tyrone; and a State College eye physician and surgeon who wishes to remain anonymous.

Discounted tickets are available to



Malcolm X (Herbert Newsome), right, hands his daughter's doll to Martin Luther King Jr. (Jarvis W. George), after Malcolm's house was burned down during a scene from "The Meeting." The play will be on stage at 7 p.m. Jan. 19-20 and 2 p.m. Jan. 21 in the HUB-Robeson Center's Heritage Hall, University Park.

Photo: Greg Greene

Two shows on tap for University Park

Blue Collar Comedy Tour

The Blue Collar Comedy Tour, starring Jeff Foxworthy, Bill Engvall, Ron White and Larry the Cable Guy, will appear at 8 p.m. Saturday, Feb. 10, at The Bryce Jordan Center on the University Park campus. Tickets are \$35 and \$30 for reserved seating and are on sale now.

Foxworthy, the largest-selling comedy recording artist in history, created and starred on "The Jeff Foxworthy Show" for two seasons, and has released many best-selling CDs and books.

Don Henley

Don Henley will perform at 7:30 p.m. Feb. 28 at The Bryce Jordan Center. Tickets are \$46 with a limited amount of Gold Circle seating at \$66, and they

BRYCE JORDAN CENTER

go on sale at 10 a.m. Saturday, Jan. 20. Wristbands will be available from 8 a.m. to 6 p.m. Friday, Jan. 19, and from 8 a.m. to 9 a.m. Saturday, Jan. 20. Wristbands are for those purchasing tickets at The Bryce Jordan Center only.

The former Eagle was last at The Bryce Jordan Center for the group's reunion tour in 1996. Henley is currently concentrating on his solo career.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 and (814) 865-5555, or online at <http://www.bjc.psu.edu/>.

qualifying patrons for "Carmen" at 7:30 p.m. Thursday, Feb. 1; "Les Misérables" at 2 p.m. Saturday, March 31; and "Phantom," The American Musical Sensation" at 7:30 p.m. Tuesday, April 17.

For more information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849. To help support the audio description service, call Diane Bloom at (814) 863-1167 or e-mail deb10@psu.edu.

Independence Sinfonia

The Independence Sinfonia, composed of volunteer musicians from the greater Philadelphia area, will perform at 2 p.m. Sunday, Feb. 4, in the Sutherland Auditorium, Helen Buck O'Neill Stage, at Penn State Abington.

For information and registration call (215) 881-7368.

Art exhibits

The following HUB-Robeson Galleries exhibits are planned for spring semester on the University Park campus. For more information, check the Web at <http://www.sa.psu.edu/galleries/> or call (814) 865-2563.

■ **Robeson Gallery:** "Contemporary Arts and Crafts from Africa," mixed media, Jan. 30 through May 1. A reception is planned for 4-6 p.m. Feb. 13.

The rhythm of African life is expressed in this exhibit from artists in Kenya, Zambia, Zimbabwe and the Democratic Republic of Congo. Christine Ahmed-saidi, assistant professor of African Studies in the African and African-American Studies Department has gathered more than 100 pieces from local African artists.

■ **HUB-Gallery:** "Cultural Expressions" mixed media by Gerald Branch, through Feb. 21. A reception is planned for 4-6 p.m. Feb. 2.

Branch's work speaks to the cultural experiences of African-Americans. Branch is an art educator and assistant principal in the Philadelphia School District.

■ **Art Alley:** "Natural Instincts," photography by Gino J. D'Angelo, through March 11.

The photographer is a student studying to be a wildlife biologist.

■ **Wooden Cases:** "Concho Images," from the Matson Museum of Anthropology collection, through Feb. 28.

The Matson Museum of Anthropology is exhibiting 11 masks and figurines from the Congo region of West Africa. Capt. and Mrs. Ryan J. McCombe of State College donated these pieces to the museum.

■ **Sculpture Center:** Metal sculptures by Eric W. Stephenson, through Aug. 19. Stephenson is a 1990 graduate of Penn State with a BFA in sculpture.

■ **Kern Exhibition Area:** "Natural Thoughts," color photography by Rebecca Porter, through Feb. 14.

Photographs taken from unusual angles and occasionally double-exposed are used in compiling this exhibit.

■ **Kern Exhibition Area:** "Willow Basketry" by Patricia Dillman, through Feb. 18.

Dillman seeks to preserve this craft through demonstrations and displays.

■ **Kern Exhibition Area:** "Lego Sculptures" by Alpha O. Harrison, Jan. 21 through April 4.

Harrison is an undergraduate senior majoring in integrative arts.

■ **Art on the Move, North Hall:** "Direct Address," photographs by Jason Pagnone, through Feb. 28.

The artist is pursuing a dual major in photography and journalism.

■ **Art on the Move, West Hall:** "Restless Metropolis," photography by Denton W. Smith Jr., through Feb. 28.

Smith is an undergraduate student in graphic design and photography.

University Park Calendar

January 19 - January 28

MUSIC

Friday, January 19

Jury Recognition Recital, 8 p.m., Recital Hall.

Thursday, January 25

La Vergna String Quartet, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, January 19

David Skole on "Cryptic Deforestation in Amazonia: Is it Real? The Debate on Measuring Forest Loss Continues," 4 p.m., 301 Steidle.

Saturday, January 20

Andy Clark on "The Amazingly Similar Genes of Dogs, Humans and Mice," 11 a.m. to 12:30 p.m., 101 Thomas.

Monday, January 22

Karl Mueller on "What Nuclear Magnetic Resonance Can (and Will) Tell Us About Phenomena in Restricted Geometries," noon, 339 Davey Laboratory.

Elena De Luca on "Law School Preparation for Students in Any Major," 1 p.m., 118 Agricultural Sciences and Industries.

Tuesday, January 23

"An Evening of Pennsylvania Poets: Readings in Celebration of the Public Poetry Project," 7 to 8:30 p.m., 101 Pattee. Peter Eklund on "Sniffing Molecules with a Carbon Nanonose," 3:30 p.m., 339 Davey Laboratory.

Suzanne Staggs on "A Limit on the Polarized Anisotropy of the Cosmic Microwave Background at Subdegree Angular Scales," 3:30 p.m., 318 Osmond Laboratory.

Francisco Rosales on "The Acute Phase Response of Inflammation and the Interpretation of Serum Retinol," 4 p.m., 5:29 Henderson.

Wednesday, January 24

Phoebe Leboy on "30 Years of Affirmative Action and Counting: Evaluating the Status of Faculty Women," 11:45 a.m., Ballroom C, The Nittany Lion Inn. For ticket information, e-mail Sue Rankin at sx2@psu.edu.

Dr. Anna M. Barrett on "Awareness of Deficit in Brain Disorders," noon to 1 p.m., 108 Wartik Laboratory.

Renata Engel on "Modeling Issues of the Uniaxial Die Compaction of Iron Powder," 3:35 p.m., 114 Earth and Engineering Sciences.

Thursday, January 25

John H. Golbeck on "Quinone Substitution in Photosystem I: The Interplay Between Electron Transfer Rate and Gibbs Free Energy in Tightly Coupled Biological Systems," 12:15 p.m., 55 Osmond Laboratory.

Phoebe Leboy on "Inducing Osteogenesis in Mesenchymal Stem Cells: Why Can't a Human Be More Like a Rat?" 1:15 p.m., 108 Wartik Laboratory.

Jim Anderson on "Quantum Monte Carlo Solutions of the Schrödinger Equation: From a Few Electrons to a Few Thousand," 4 p.m., 117 Osmond Laboratory. Randall Bramley on "The Indiana Common Component Architecture 'lookit Project,'" 4 to 5 p.m., 62 Willard.

Darryl Glover, actor, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-3786.

Friday, January 26

Ray Masters on the use of computer modeling in Architecture 131, noon to 1 p.m., 141 Computer.

Theodore Kitchels on "Television: The Digital Divide," 4 p.m., 301 Steidle.

Saturday, January 27

Nina Fedoroff on "Monsters or Miracles? Genetically Modified Organisms in Our Food," 11 a.m. to 12:30 p.m., 101 Thomas.



Ann Shields, coordinator of the Hetzel Union Building-Robeson Center galleries and crafts on the University Park campus, hangs a painting from the mixed media exhibit "Cultural Expressions" by Gerald Branch. This exhibit continues through Feb. 21.

Photo: Greg Grifone

EXHIBITS

HUB-Robeson Center

"Cultural Expressions," mixed media by Gerald Branch, through Feb. 21.

"Natural Instincts," photography by Gino J. D'Amelio, through March 11.

"Congo Images," from the Matson Museum of Anthropology collection, through Feb. 28.

Metal sculptures by Eric W. Stephenson, through Aug. 19.

Kern exhibit area

"Natural Thoughts," color photography by Rebecca Porter, through Feb. 14.

"Willow Basketry" by Patricia Dillman, through Feb. 18.

"An Interlude in Giverny: The French Chevalier," by Frederick MacMonnies, through Feb. 25.

North Hall exhibit area

"Direct Address," photographs by Jason Fegone, through Feb. 28.

"Restless Metropolis," photography by Denton W. Smith Jr., through Feb. 28.

Pattee Library

"Just Beyond the Tip of the Tongue: A Literary and Extra-Literary Exhibit on Richard Wright," by Howard Ramsby II, through Feb. 28.

"The Public Poetry Project Initiated by Kim Fisher," honoring Fisher's memory, through Feb. 28.

"Celebrating Martin Luther King Jr. and Black History Month," student-designed posters, through Feb. 28.

"Recent Penn State Faculty Publications," through Jan. 30.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Arts

Continued from page 12

Library exhibits

Several exhibits are currently on display in Pattee Library and Paterno Library at University Park.

■ "Just Beyond the Tip of the Tongue: A Literary and Extra-Literary Exhibit on Richard Wright," by Howard Ramsby II, is on display through Feb. 28 in the Candace and Patrick E. Malloy III Diversity Studies Room, 109 Pattee Library.

Ramsby charts the publishing histories, reception, life and work of African-American writer Richard Wright. Ramsby is a graduate fellow in American and African-American Literature in the Department of English in the College of the Liberal Arts.

■ "The Public Poetry Project Initiated by Kim Fisher," honoring Fisher's memory, is on display through Feb. 28 in the Pattee Library lobby.

Fisher, the first Paterno Family Librarian in Literature in the University Libraries, died in January 2000. Bonnie MacEwan, assistant dean for collection development in the University Libraries, and Gabriel Welsh, lecturer in the Department of English, made Fisher's vision a reality with the printing of these posters, designed by Gretl Collins.

■ "Celebrating Martin Luther King Jr. and Black History Month," an exhibit of student-designed posters and a selection of prints from the University Libraries' historical Black Experience posters, will be on display in the Pattee Library exhibit area through Feb. 28.

■ "Recent Penn State Faculty Publications," will be on display through Jan. 30 in The Eberly Family Special Collections Library, 104 Paterno Library.

For information about the publications exhibit, call (814) 865-1793.

For information about the Fisher exhibit, check the Web at <http://www.pabook.libraries.psu.edu/poetry.html>. For information about the other exhibits, call (814) 865-0401.

MetaStages

The School of Theatre announces registration for its spring drama classes for youth and teens to be held on the University Park campus.

MetaStages Theatre Centre, an outreach program, offers creative drama and performance classes after school and on Saturday for different age groups from first through 12th grades. Students receive performance training from professionals in acting, voice, mime and improvisation. Classes culminate with an afternoon of final performances.

For more information, call Joann Leonard, MetaStages director, at (814) 867-8390.



Leaves of Absence

2001-2002

Leaves of absence are granted for purposes of intensive study or research that will increase the quality of the individual's future contribution to the University.

PENN STATE ABINGTON

Ingeborg I.M. Schuster, professor of chemistry, to explore the synthesis, structure and reactivity of highly interconnected, cavity-containing hydrocarbon nanostructures containing the hexacaphenyl subunit and representing substructures of cubic graphite at Princeton University in New Jersey.

COLLEGE OF AGRICULTURAL SCIENCES

James G. Beierlein, professor of agricultural economics, to apply new learning techniques and develop Web-based educational materials for resident education and extension programs in agribusiness management.

Robert P. Brooks, professor of wildlife and wetlands, to explore ways to combine wetlands, streams and riparian habitats into a fully integrated system of watershed inventory, assessment and restoration.

David M. Eisenstat, professor of woody plant physiology, to study apple root dynamics and physiology at the Pacific Agri-Food Research Centre in Summerville, British Columbia.

Constance A. Flanagan, associate professor of agricultural and extension education, to complete a book-length manuscript on the developmental foundations of social trust in civil society at the Russell Sage Foundation in New York.

Daniel D. Fritton, professor of soil physics, to study the effect that management practices have on soil physical properties, plant root growth and crop yield at the United States Department of Agriculture, Agricultural Research Service, Great Plains Systems Research in Fort Collins, Colo.

Gary J. Killian, professor of reproductive physiology, to study carbohydrate characteristics of the sperm membrane following exposure to oviduct fluid and acquire technical skills in the flow cytometry and molecular biology at the Los Alamos National Laboratory in New Mexico.

Stephen J. Knabel, associate professor of food science, to conduct research on molecular methods for detecting food-borne pathogens and the phylogeny of hyperthermophiles and also to revamp graduate and undergraduate courses at the University of Auckland in New Zealand.

Melissa Hoy Wetzels, associate extension agent, Greene County, to pursue a master of science degree in agriculture and environmental education at West Virginia University at Parkersburg.

PENN STATE ALTOONA

Indrani Basak, professor of mathematics, to continue research on the general field of developing statistical methodologies for censored data and to initiate some collaborative projects with individuals working in the same area at the University of Connecticut in Storrs.

Prasanta Basak, associate professor of mathematics, to conduct collaborative research on record values, ranges and mixtures of distribution at Rider University in Lawrenceville, N.J., and the University of Connecticut in Storrs.

COLLEGE OF ARTS AND ARCHITECTURE

Micaela Amateau Anato, professor of art and women's studies, to focus research and creative work on the production of an installation, *Byzantine Nights Divine Tales and Other Migrations*, with travel to Morocco, Spain and Italy.

Lisa J. Bontrager, associate professor of music, to present concerts and make a compact disc recording with the Bontrager-Stebeltorn Horn Duo in Florida.

Michael F. Bowley, distinguished professor of music and professor of American history, to write a book, *Leo Omdstein and the Modernist Movement in America*, which is a study of the early 20th-century pianist and composer and the cultural milieu in which he lived, with work to be done in Tallahassee, Fla.

Marylene Dosse, professor of music, to perform three concerts of the complete cycle of the Beethoven's piano and violin sonatas with violinist Marianne Behrendt at the Salle Gaveau in Paris, and to perform a series of concerts in England, Germany and Holland.

Taylor Arken Greer, associate professor of music, to write a book which interprets the conflicts between exoticism and nationalism in the late music of Charles Griffes with study and travel to the New York Public Library, the Library of Congress in Washington, D.C., and the Gannett Tripp Learning Center at Elmira College in New York.

Donald E. Kume, associate professor of architecture and integrative arts, to complete a book-length manuscript on the use of boundaries in mystery fiction and the consequent "mysteries" of boundary behavior in general with visits to special collections in New York and the Center for Canadian Architecture in Montreal.

John Paul Lucas, professor of architecture, to produce a series of written, drawn and built essays regarding the documentary and monumental potential of memorials with travel to Egypt and the Yucatan.

Joanne Rutkowski, associate professor of music education, to complete validation of the "Singing Voice Development Measure" and prepare the tool for publication as a standardized measure for the assessment of singing achievement in children.

PENN STATE BERKS-LEHIGH VALLEY

Richard W. Burkard, associate professor of Spanish, to work on a book, *The Cult of the Virgin in the Poetry of Gonzalo de Berceo*.

THE SMEAL COLLEGE OF BUSINESS ADMINISTRATION

Annette L. Beatty, associate professor of accounting, to pursue research interests in risk management and banking at the Financial Institutions Center at The Wharton School, University of Pennsylvania.

Austin J. Jaffe, Philip H. Sieg professor of business administration, to continue research on property rights studies, the importance of property rights in international real estate markets and housing market institutions at the University of New Brunswick in Canada.

Dennis K.J. Lin, professor of management science, to continue research on rotated factorial designs, to initiate studies in the area of data mining and to complete a book on uniform design with a colleague at National Cheng-Chi University in Taiwan with travel to Pohang University of Science and Technology in South Korea, Hong Kong Baptist University, University of Southampton in the United Kingdom, the Bureau of Statistics in Taiwan and Lucent Technologies in Murray Hill, N.J.

Lisa L. Posey, associate professor of business administration, to participate in the analysis and design of innovative risk financing methods and customized products in the area of enterprise risk management and financial insurance at Willis North America Inc. in Nashville, Tenn.

PENN STATE CAPITAL COLLEGE

Richard I. Ammon Jr., associate professor of education, to write *Rum Springa*, a coming-of-age juvenile novel about an Amish boy during Rum Springa, the time when Amish youth get together to socialize.

Michael A. Becker, associate professor of psychology, to study three applied interpersonal attraction issues: The content of popular interpersonal attraction books, the role of third-party introductions in the romantic relationship process and the relationship between the content of personal advertisements and ad effectiveness.

Rupert F. Chisholm, professor of management, to conduct action research on the New Baldwin Corridor Coalition and use research results to help advance development of the coalition as an inter-organizational network and to write articles on the network development process.

Cynthia Massie Mara, associate professor of health-care administration and policy, to support research and writing related to a book, *Long-Term Care Futures*, and to the development of teaching materials for graduate courses with study and travel to the U.S. National Library of Medicine in Bethesda, Md.; the United Hospital Fund Library of New York; and the Department for the Aging Library in New York.

Judith L. Stephens, associate professor of speech communication, to prepare for publication a critical volume of plays by New Negro Renaissance poet and playwright Georgia Douglas Johnson with study and travel to the Library of Congress in Washington, D.C.; the Moorland-Spingarn Research Center at Howard University in Washington, D.C.; and the Schomburg Center for Research in Black Culture at the New York Public Library.

COMMONWEALTH COLLEGE

Jeanne T. Amlund, assistant professor of educational psychology, McKeesport campus, to develop activity modules incorporating real-world, Web-based data sets and student-generated data for undergraduate statistics instruction.

Jay R. Breckenridge, associate professor of theatre arts, McKeesport campus, to observe and collect Asian theatre forms as presented in the multicultural environment of Singapore, for the purpose of adapting the forms and stories for production here and publishing adaptations and observations with travel to Singapore and Malaysia.

David P. Chin, associate professor of English, Wilkes-Barre campus, to revisit modernist and contemporary American poetry, classical Chinese poetry in translation and poetic theory with a view toward shaping a more well-defined personal aesthetic and to begin working on poems for a third collection of poems.



Leaves of Absence

2001-2002

Continued from page 14

David A. DiPietro, associate professor of art, Fayette campus, to produce a body of work consisting of paintings, pastels and prints that will comprise a complete exhibition of 30 to 35 pieces concerning one coherent theme of landscapes of southwestern Pennsylvania and the influences that European landscapes and landscape art has had on them with the project being done in southwestern Pennsylvania and Italy.

John Dolis, associate professor of English, Worthington Scranton campus, to complete a draft of a book, *The Idea()* of Rome in American Romance, which explores the meaning and function of Rome in 19th-century American romanticism.

Clarence W. Finley Jr., associate professor of chemistry, New Kensington campus, to investigate the one-electron spectra of metallic nanodusters.

Caroline K. Hall, associate professor of English and women's studies, Beaver campus, to continue and extend work on 20th-century American poet Sylvia Plath, by exploring resources (letters, journals and other manuscripts) that became available to Plath scholars in late 1998, in the Mortimer Rare Book Room at Smith College, with travel to the Lilly Library at the University of Indiana and Emory University.

G. Robert Himmer Jr., associate professor of history, York campus, to complete writing a book on Joseph Stalin's relations with Vladimir I. Lenin from their first meeting in 1905 to Lenin's death in 1924.

Jerrold V. Hoeg, associate professor of Spanish, Fayette campus, to write a book about the effects of science, technology and environmentalism on Costa Rican literature at the Costa Rican Ormeteca Foundation at the University of Costa Rica in San Ramon de Alajuela.

Thomas A. Knapp, associate professor of economics, Wilkes-Barre campus, to undertake an economic analysis of the determinants of differential mobility across subgroups of the population and the implications for economic well-being.

Aldo W. Morales, associate professor of general engineering, DuBois campus, to conduct collaborative research on efficient implementation of rank and sample selection probabilities algorithms, and on image compression using truncated trigonometric transforms with travel to Korea University.

John-Paul Mullis, associate professor of psychology, Beaver campus, to investigate the use of persuasive communication theory to increase levels of preparedness of individuals subjected to the threat of potential natural disasters, at the University of Southern California in Los Angeles.

Ronald J. Pollock, assistant professor of chemistry, Shenango campus, to develop two projects: one to improve the coatings of aircraft models for aerodynamic testing in wind tunnels and the other to determine the origin of the left and right-handed nature of carbon nanotubes, at the National Aeronautics and Space Administration Langley Research Center in Hampton, Va.

Prem D. Sattisangi, associate professor of chemistry, Fayette campus, to conduct collaborative research in the field of boron chemistry at West Virginia University in Morgantown.

Grace C. Stanford, associate professor of education, Delaware County campus, to write a book, *Urban Education: A Reference Book*, which takes a broad overview of urban education including historical background; demographic changes; and the shortage of qualified teachers, curriculum, politics and economics in school governance and school reform.

Jane S. Sutton, associate professor of speech, York campus, to complete a book, *Figuring In/Out Rhetoric*, which describes the emergence of women as public speakers in the United States from 1828-1997, and analyzes the emergence of women on the platform as a transgression and a transformation of the foundation of rhetorical communication.

Robert A. Walters, professor of engineering, McKeesport campus, to expand and enhance information technology skills and through that a professional development initiative to help mold Penn State McKeesport into a regional center for information sciences and technology in the Mon Valley.

David M. Wells, associate professor of mathematics, New Kensington campus, to investigate the development of symbolic reasoning in high school and college students with travel and study at various Penn State campuses.

COLLEGE OF COMMUNICATIONS

Dorn Hetzel III, associate professor of film and video, to research and generate a new art of ecology that envisions the relationship of human beings to Earth; to draw up a blueprint for producing professional media messages capable of communicating environmental messages of sufficient impact to overcome popular inattention and indifference; and to create a screenplay for a feature-length, new-form narrative at the School of Visual Arts in New York City and at the University College in Utrecht, The Netherlands.

COLLEGE OF EARTH AND MINERAL SCIENCES

Terry Engelder, professor of geosciences, to integrate fracture mechanics into various geomechanical models for use in developing the best static and dynamic conceptual models for fractured reservoirs at the research labs of the Total-Fine-Elf Group in Pau, France.

Abraham S. Grader, associate professor of petroleum and natural gas engineering, to conduct research on fluid transport in fractured rocks; to develop a computer-modulated course on three-phase flow in porous media; and to develop methods for detecting large-scale heterogeneities from tracer tests at Heriot-Watt University in Edinburgh, Scotland.

Katherine H. Freeman, associate professor of geosciences, to study microbial processes in marine environments which will include investigations of geochemical cycling by anaerobic ecosystems with a focus on acetate, hydrogen and methane production and update at the Woods Hole Oceanographic Institution in Massachusetts.

Digby D. Macdonald, professor of materials science and engineering and director of the Center for Electrochemical Science and Technology, to conduct collaborative research on the passivity of iron and to complete writing a book on passivity and passivity breakdown in electrochemical systems at the University of California, Berkeley.

Raymond G. Najjar Jr., associate professor of meteorology, to conduct collaborative research and develop a new, more accurate method for measuring the photochemical production of carbon dioxide in seawater at Woods Hole Oceanographic Institution in Massachusetts.

Mark E. Patzkowsky, associate professor of geosciences, to conduct collaborative research and develop and analyze a new electronic fossil database to investigate the environmental context of the sudden appearance of skeletonized marine animals nearly 550 million years ago, the so-called Cambrian explosion, at Harvard University in Cambridge, Mass.

Adam Z. Rose, professor and head of the Department of Energy, Environmental and Mineral Economics, to write a book, *The Marketable Permits Approach to Global Climate Change Policy*, with travel and study at Resources for the Future in Washington, D.C.

Johannes Verlinde, associate professor of meteorology, to conduct collaborative research on approaches to separate the individual contributions of liquid and ice phase particles to radar measurements at the Delft University of Technology in The Netherlands.

COLLEGE OF EDUCATION

John D. Marshall, associate professor of education, to work as a liaison between a charter school and the College of Education and its Department of Curriculum and Instruction to pursue Professional Development School Status and to develop a historical account of the school's creation within the broader state and national charter school movement in the United States at the Sugar Valley Rural Charter School in Logan, Utah.

Kathy L. Ruhl, professor of special education, to develop a technology-based alternative to a traditional instructional model for use in methods-oriented courses.

Robert B. Slaney, professor of counseling psychology and head of the Department of Counselor Education, Counseling Psychology and Rehabilitation Services, to write a paper that summarizes and critiques the research on perfectionism and to write two papers using data on perfectionism; to develop skills in advanced multi-variate analyses and use them in planning future studies with travel and study at Georgia State University in Atlanta, the University of Missouri-Columbia and Michigan State University in East Lansing.

Loures Diaz Soto, professor of education, to conduct collaborative research and lecture on the subject of training teachers for social justice at the Center for Education for Social Change in the Kibbutzim College of Education in Tel Aviv, Israel.

Frank C. Worrell, associate professor of education, to train guidance and special education officers in consultation and reading intervention and to collect data on students' school functioning at the Guidance and Counseling and Special Education Units of the Ministry of Education in Trinidad and Tobago.

COLLEGE OF ENGINEERING

S. Ashok, professor of engineering science, to study properties and applications of functional nanocavities in silicon and related semiconductor formed by high-energy ion implantation and plasma processing at the Centre National de la Recherche Scientifique in Orleans, France, and the Université de Droit in Marseilles, France.

William P. Bahnrath, associate professor of architectural engineering, to study indoor air quality engineering at the University of Wisconsin-Madison and Dorgan Associates in Madison.

Leaves of Absence, page 16



Leaves of Absence

2001-2002

Continued from page 15

Ashok D. Belgundru, professor of mechanical engineering, to learn and develop algorithms and software for large-scale engineering optimization, exploiting the use of multi-processor computers, and to develop formal research interactions with faculty at the Indian Institute of Science in Bangalore.

Fred S. Cannon, associate professor of civil and environmental engineering, to gain perspective, growth and renewal relative to using activated carbon and advanced oxidants for water treatment and air pollution control, and to develop a new area of expertise in applying these processes to the foundry industry with travel and study in Redlands, Calif., and Cincinnati.

Aegleli Elefteriadou, associate professor of civil engineering, to study the traffic operational analysis methods developed and used in The Netherlands and other European countries; to identify and/or develop new and improved methods that can be applied to conditions in the United States; and to lecture abroad on the methods and applications for traffic operational analyses in the United States at the Technical University of Delft in The Netherlands.

Steven L. Garrett, professor of acoustics, to broaden understanding of the recent developments in thermoacoustics made at Los Alamos National Laboratory and the experimental and theoretical techniques they have developed to exploit this new approach at Los Alamos National Laboratory in New Mexico, Eindhoven Technical University in The Netherlands, Ciudad Universitaria in Cordoba, Argentina, and the University of Mississippi in Oxford.

William E. Higgins, professor of electrical engineering, to conduct research in three-dimensional medical imaging and collect data for new proposals; and to broaden and update knowledge in general research area at The University of Iowa in Iowa City, and the Mayo Clinic in Rochester, Minn.

Dennis R. Hittunen, associate professor of civil and environmental engineering, to conduct collaborative research on development of a mobile laboratory and test protocols for characterization of the spatial variation of soil deposits at Rutgers University in Piscataway, N.J.

Soumder R.T. Kumara, professor of industrial engineering, to conduct collaborative research in the area of intelligent information systems supported by the Department of Defense at the Intelligent Automation Inc. in Rockville, Md.

Kwang Y. Lee, professor of electrical engineering, to conduct research on intelligent control of power system under deregulated environment and to investigate economic and technical issues involved in deregulating electric power industry at Seoul National University in South Korea with travel to the United Kingdom and Japan.

Richard A. Queeney, professor of engineering mechanics, to complete authorship of a graduate level reference textbook, *Advanced Mechanical Behavior of Materials*, in Williamstown, Mass., with visits to the Williams College Library in Williamstown, and the library at the University of Massachusetts in Amherst.

Alok Sinha, professor of mechanical engineering, to study jet engine blade vibration in order to develop new techniques to compute the statistics of response of a mistuned bladed disk assembly at Pratt and Whitney in East Hartford, Conn.

Gita Talmage, associate professor of mechanical engineering, to develop a power plant technology course with a strong emphasis on both the hardware and engineering fundamentals.

Mima Uroic-Macdonald, professor of engineering science and mechanics, to conduct collaborative research involving the data analysis of bio-systems using smart mathematical techniques and the Neural Network pattern of recognition at the National Aeronautics and Space Administration at the Ames Research Center in Moffett Field, Calif.

Vigor Yang, professor of mechanical engineering, to conduct basic research on active control of gas-turbine engine dynamics at the Institute of Aeronautics and Astronautics of National Cheng Kung University in Taiwan.

Savas Yavuzkurt, professor of mechanical engineering, to conduct collaborative research in the emerging and rapidly growing area of Micro Electron Mechanical Systems as it is related to fluid flow at the National Taiwan University.

PENN STATE ERIE

John P. Beaumont, associate professor of engineering, to study the development of new three-dimensional injection molding simulation technology for course development and outreach with travel to software developers in the United States and Canada.

Down G. Blasko, associate professor of psychology, to compare the comprehension of nonliteral language such as idioms and metaphors between age-matched control subjects and patients who have right hemisphere brain damage at Harvard Medical School in Belmont, Mass., and the Massachusetts General Hospital in Boston.

John G. Champagne, associate professor of English, to investigate the first nine years of African-American novelist James Baldwin's expatriation to France with travel to the Library of Congress in Washington, D.C., and the Bibliotheque Nationale in Paris.

A. Daniel Frankforter, professor of medieval history, to research and write a book, *Civilization and Survival: The Western Story*, which is related to civilization and survival in Europe.

Donald M. McKinstry, associate professor of biology, to collect a large and diverse sample of spider webs from the field for laboratory assay to determine if antimicrobial or coagulant substances are present and of medical value with travel from Pennsylvania south to Florida and west to Texas.

Timothy R. Smaby, associate professor of finance, to study non-financial, or strategic performance, variables as indicators of firm value and future stock performance from an external analyst perspective.

Robert W. Speel, associate professor of political science, to pursue research in American and Canadian regional politics with the goal of publishing a book on American regional politics and an edited volume on regional politics in economically developed countries, with travel to the York University library in Toronto.

Margaret A. Thoms, associate professor of management, to develop a seminar and articles for business professionals and lay journals on how to find, interpret and use academic research, with travel to Columbus, Ohio.

Barry R. Weller, associate professor of economics, to compare and evaluate alternative methodological approaches to generating small sector employment forecasts for small regional economies.

PENN STATE GREAT VALLEY

Kathryn W. Jablowski, associate professor of mechanical engineering, to investigate the engineering problem-solving process by classifying three of its major components based on cognitive style, at Indiana State University in Terre Haute, the University of Manchester in the United Kingdom and the Occupational Research Centre in Hertfordshire, the United Kingdom.

COLLEGE OF HEALTH AND HUMAN DEVELOPMENT

Kathleen L. Barry, professor of human development, to complete a qualitative study of the impact of economic change on women and families in Northern Ireland through three generations, at the Institute of Irish Studies, Queen's University in Belfast.

Peter A. Farrell, professor of physiology, to conduct studies on differential gene expression, at the University of California, Berkeley.

Frank B. Suardagnolo, associate professor of leisure studies and associate director of recreation and park management, to collaboratively develop relational database systems, focus group interviews and survey design and research for respective curricula in leisure studies, at the University of Las Vegas in Nevada.

Mark L. Latash, professor of kinesiology, to study the role of the corticospinal tract and of the cerebellum in the generation of motor synergies at the Institute of Neurology of the Medical Research Council in London and the University of Ribeiro Preto in Sao Paulo, Brazil.

K. Warner Schiole, Evan Pugh professor of human development and psychology, to complete a monograph on the Seattle Longitudinal Study and to develop plans for research funding for continuation of a study in clinical cross-national comparisons at Seattle; Geneva; Heidelberg, Germany; and Stockholm, Sweden.

COLLEGE OF THE LIBERAL ARTS

Philip H. Baldi, professor of linguistics and classics, to continue work on *The New Historical Syntax of Latin*, a multi-authored volume which breaks new theoretical and methodological ground in the study of the historical syntax of the Indo-European languages, Latin in particular, at Stanford University in California.

Lee Ann Banaszak, associate professor of political science and women's studies, to examine how women's movements in the United States and Germany have institutionalized and adopted insider tactics over time.

Eric W. Bond, professor of economics, to conduct a theoretical analysis of the dynamics of trade agreements, which will focus on analyzing the process by which countries become members of trade agreements and explaining the time pattern of tariff reductions under a trade agreement, with travel to the City University of Hong Kong and the World Trade Organization in Geneva.

Patrick G. Cheney, professor of English and comparative literature, to conduct research on the Oxford Edition of the collected works of Edmund Spenser, now in the first year of a 10-year contract with Oxford University Press in the United Kingdom.



Leaves of Absence

2001-2002

Continued from page 16

N. Edward Coulson, associate professor of economics, to complete a monograph, slated to be one of a series sponsored by the American Real Estate and Urban Economics Association, on hedonic evaluation methods in residential housing markets.

Véronique M. Foti, associate professor of philosophy, to complete the research for and write a draft version of a new book, *Tragic Blindness*, which will interlink, and require extensive research in, several areas of scholarship such as classics, ancient Greek philosophy, literary theory and 19th- and 20th-century European philosophy.

Kathryn M. Grossman, professor of French, to finish a book on Victor Hugo's later fiction and to participate in a number of international symposia organized to honor the bicentenary of Hugo's birth in 1802, with travel to Paris.

Michael P. Johnson, associate professor of sociology, women's studies and African and African-American studies, to complete a draft of a book on domestic violence, pulling together theoretical and empirical work of the last 10 years and presenting a review of the domestic violence literature within that framework, at the University of Texas, Austin.

Joan B. Landes, professor of women's studies and history, to investigate the designs for artificial life undertaken by men of letters, science, medicine and technology in 18th-century France, with travel to archives, museums and libraries in New York, Washington and France.

Barrett A. Lee, professor and head of the Department of Sociology, to pursue two research projects, one concerned with the long-term fate of racially integrated neighborhoods and the other with the distribution of ethnic groups across larger spatial units, and to use these projects for the development of a new course tentatively titled, "Race, Ethnicity and Residence."

Robert C. Marshall, professor and head of the Department of Economics, to study the understanding of bidder collusion at both auctions and procurements at the Department of Justice in Washington, D.C.

Sally A. McMurry, professor of American history, to investigate how specific Pennsylvania rural communities shaped and responded to the political and economic developments of the American Civil War during 1840-70, with travel to archives in Harrisburg and Washington, D.C., and visits to local historical collections.

Mark H. Munn, associate professor of history and classics and ancient Mediterranean studies, to write a book, *Candaules' Wife: The Power and the Desire of Power in Classical Athens*, with travel to the library of the Center for Hellenic Studies in Washington, D.C.

Eric Phitzner, associate professor of political science and sociology, to research a project investigating the politics of public schools.

Mark J. Roberts, professor of economics, to pursue research on the patterns of firm entry, exit, growth and investment and their role in the evolution of the manufacturing industries in developing countries.

John E. Russo, associate professor of philosophy, to conduct research and writing for the completion of a book, *Bearing Witness to Epiphany*, and to begin a second book, *Invitations*, in Toronto, with travel to Boston and New York.

Robin C. Schulz, assistant professor of English, to complete research and continue writing a book which is a broad, culturally conceptualized, archival study of four major American modernist poets: Marianne Moore, Hilda Doolittle (H.D.), Ezra Pound and William Carlos Williams, with travel to the Rosenbach Museum and Library in Philadelphia, the Beinecke Library at Yale University, the Humanities Research Center at the University of Texas, Austin, and the Poetry Collection of the State University of Buffalo in New York.

Joseph V. Terza, associate professor of economics, to develop and apply an econometric technique that is designed to overcome the technical difficulties that have previously precluded the unbiased estimation of the public cost-containment effects of Medicare Health Maintenance Organizations, with travel to Boston University in Massachusetts.

Evian P. Watkins, professor of English and women's studies, to complete a book under contract with Stanford University on academic training, vocational education and class formation in the United States.

Linda Woodbridge, professor of English and women's studies, to research and begin to write a book-length study, *Getting What One Deserves: The Economics of Revenge Tragedy*, with travel to the Folger Shakespeare Library in Washington, D.C., and the Huntington Library in San Marino, Calif.

COLLEGE OF MEDICINE

Julien F. Bielawsky, professor and senior associate dean, to explore new directions and models in the area of faculty development and leadership for the College of Medicine and The Milton S. Hershney Medical Center; and in enhancing the leadership role for Penn State in the ethics of human research and furthering Penn State's plan for mission-based management and mission-based budgeting.

EBERLY COLLEGE OF SCIENCE

John V. Badding, associate professor of chemistry, to conduct research on chalcogenide optical materials and to extend current synthesis and pressure tuning efforts to optoelectronic materials, at the Optoelectronics Research Center at Southampton University in the United Kingdom.

James J. Battie, associate professor of physics and astronomy and astrophysics, to conduct theoretical and analytical work related to studies of the nature and interactions of the highest energy cosmic rays, at the Bartol Research Foundation at the University of Delaware in Newark.

Leonid V. Berlyand, associate professor of mathematics, to expand several research projects in the overlapping areas of homogenization theory, percolation theory, and physics and mechanics of composite materials, at Carnegie Mellon University in Pittsburgh, Princeton University, the University of Paris 6 and the National Academy of Sciences in Kharkov, Ukraine.

Dmitri V. Burago, professor of mathematics, to study asymptotic geometry of tori, ergodic properties of geodesic flows, for Riemannian and Finsler metrics, geometry of surfaces in normed spaces and kick stability, at Tel Aviv University in Israel, the University of Maryland in College Park and the University of Washington in Seattle.

Frank R. Deutsch, professor of mathematics, to collaborate on a project to study ways of accelerating the important Dykstra's cyclic projections algorithm, at Texas A&M University in College Station.

Nina V. Fedoroff, professor of biology, Verne M. Willaman professor of life sciences and director of the Biotechnology Institute, to organize an international consortium of plant scientists to assist in accelerating the transfer of advanced research to less-developed countries, as well as in building research infrastructure at Rockefeller University in Washington, D.C.

Martin P. Fürer, associate professor of computer science and engineering, to conduct research on discrete algorithms and their computational complexity, at the Swiss Federal Institute of Technology in Zurich.

Peter C. Jurs, professor of chemistry, to observe and participate in chemical education in a small college chemistry department at an institution very different from Penn State, in order to seek innovations and improvements that might be transferable, at Fort Lewis College in Durango, Colo.

Mark Maroncelli, professor of chemistry, to perform theoretical and computer modeling studies of the electronic spectra of solutes in supercritical solvents, at The University of Texas at Austin.

Richard W. Robinett, professor of physics, to develop innovative, Web-based instructional materials in the area of quantum mechanics at the advanced undergraduate level and to continue ongoing research on elementary particle theory and mathematical physics, at the University of Maryland in College Park.

Robert T. Simpson, professor and holder of the Verne M. Willaman chair in biochemistry and molecular biology, to use high resolution electron microscopy to determine structures of specific repressed genes at the University of Massachusetts in Amherst.

Christopher F. Uhl, professor of biology, to write a book directed to teachers and citizens alike that will reveal how awe, wonder and reverence for life can be placed at the center of environmental science reading, at Antioch New England Graduate School in Keene, N.H., and Prescott College in Arizona.

Leonid N. Vaserstein, professor of mathematics, to conduct research in algebra and number theory and finish a textbook on linear programming, at the Weizmann Institute of Science in Rehovot, Israel.

Nicholas Wingard, Evan Pugh professor of chemistry, to develop and strengthen international collaborations to enhance ongoing molecule-specific bioimaging experiments, at the University of Manchester Institute of Science and Technology in the United Kingdom and the University of Essen in Germany.

Ping Xu, associate professor of mathematics, to continue work on Poisson geometry and quantization, in particular on the project concerning quantization of Lie bialgebroids and local structures of Lie bialgebroids, at the University of California, Berkeley, and Peking University in Beijing.

UNIVERSITY LIBRARIES

Deborah L. Cheney, associate librarian and head of the Social Sciences Library, to develop, edit, update and revise a new edition of *The Complete Guide to Citling Government Information*.

Ann J. Foster, associate librarian and head of the Life Sciences Library, to collaborate and coordinate with other land-grant libraries on the identification of materials in the Life Sciences Library working collection that are at risk of being lost due to age.



New at Penn State

Altoona announces partnership with Career, Technology Center

Penn State Altoona and the Greater Johnstown Career and Technology Center have formed a partnership to offer workforce development and training to the Greater Johnstown region.

In addition to workforce training, both credit and non-credit adult education programs will be offered, including a Webmaster Certificate program that will be established in the spring and management development programs.

According to Jack Sinclair, director of Continuing Education and Training at Penn State Altoona, the Career and Technology Center's computer labs and classrooms will allow delivery of quality educational offerings to the region. As part of the partnership, Penn State Altoona will be working with several staff members of the Career and Technology Center to certify them to teach Penn State courses.

The Greater Johnstown Career and Technology Center provides vocational, technical and academic education to secondary and post-secondary students who demonstrate the interest and aptitude to benefit from specialized education.

Altoona partners with university in China

Penn State Altoona will officially kick off its partnership with the China University of Mining and Technology this spring.

The college will offer a six-week series of courses this semester for 12 students enrolled in the Executive MBA Program at the China University of Mining and Technology. These courses will focus on marketing principles, business seminar and practices, and e-business, and will be taught by Penn State Altoona faculty. Additionally, the MBA students will be visiting local businesses to gain hands-on experience in how businesses operate in the United States.

Penn State Altoona and the China University of Mining and Technology announced the formation of a partnership two years ago, whereby students from each college would have the opportunity to study abroad in either China or Altoona. Details of the agreement have been finalized, with the first group of students coming to Penn State Altoona this spring.

The courses, which begin Jan. 29 and continue until March 9, were developed by Penn State Altoona's Continuing Education and Training Department and the Center for Asia/Pacific Management Research.

Smeal trading room brings Wall Street to Penn State

Wall Street is coming to Penn State in the form of a state-of-the-art trading

room in The Smeal College of Business Administration.

"Today's financial markets have unleashed an increasing demand for individuals who can understand, design and trade complex securities for investment banks and other financial institutions," said J. Randall Woodridge, professor of finance in The Smeal College of Business Administration. "The Smeal College Trading Room will put theory into practice.

Students will conduct trading and make complex financial transactions with the same speed and power as if they were on Wall Street."

The Smeal College Trading Room functions as a classroom as well as a laboratory facility. The facility, which is scheduled to be completed in March, will give students access to all the data Wall Street analysts have. Computer stations will allow students to trade using the real-time information, but in simulations.

Penn State is among a handful of universities with Wall Street replicated on campus. Others with trading rooms include Carnegie Mellon, MIT, Cornell and the University of Texas.

J. David Rogers, managing director of equities trading at Goldman Sachs and Co. in New York City and a graduate of Penn State, has contributed more than \$1 million toward construction of this facility. Additional fundraising will support the trading room's construction and ongoing operation. New York-based SKI Technologies, which builds trading rooms for Wall Street, is designing the trading room.

Wilkes-Barre partners with Global Wireless Education Consortium

Penn State Wilkes-Barre was recently made a provisional partner with Global Wireless Education Consortium (GWEC).

The consortium was formed by a wide range of companies including Verizon, Lucent, Motorola and AT&T. The board of directors includes both industry and education representatives in a collaboration to develop joint goals; share mutual authority and accountability for success; and share resources and rewards.

GWEC offers its members multimedia wireless curriculum developed by industry for use in the classroom; faculty workshops and industry training; student participation in wireless career fairs; and opportunities for student participation in structured practical work experiences at industry members' sites. By working together, consortium members are developing curricula that includes continually updated, wireless education material.

Penn State Wilkes-Barre offers an associate degree in telecommunications engineering technology. For more information, call Willy Osofu at (570) 675-9137 or check the Web at <http://www.uh.psu.edu/>.



Grace Hampton, a professor of art and art education, examines some African art objects. She is part of collaborative project with a Ghanaian university to bring a Web-based course on art, culture and history to Penn State.

Photo: Greg Grieco

Kwame Nkrumah University, Penn State collaborate on Web-based art course

An innovative Web-based course on African and black art, culture and history is now in development by Penn State and the Kwame Nkrumah University of Science and Technology (KNUST) in Ghana and eventually will be available to students worldwide.

"Art is the perfect vehicle for communicating the history, culture and values of a people," said Grace Hampton, professor of art and art education at Penn State. "The overall goal of the course is to increase the ability of students — in Ghana, at Penn State and at other institutions — to understand and appreciate their cultural differences and similarities through an examination of West African and African-American arts."

KNUST Vice Chancellor Professor John S.K. Ayim and Professor Keshkav Singh, campus coordinator of the World Bank's African Virtual University Project at KNUST, are on campus this week to meet with colleagues and further cement arrangements for the course, which will be called "Branches of the Same Tree."

Hampton, who teaches a course on "The African-American Legacy and Traditions in the Visual Arts," was on sabbatical leave at KNUST last year — conducting research on how the African university was preserving the traditional arts and culture of Ghana — when she proposed the collaborative approach to teaching students of both countries.

"Twentieth Century African-American art has its roots in West African visual traditions. We want our students to understand the social, political and cultural environment that gave rise to African-American artistic expression and for Ghanaian students

to make the link between their art forms and ours," Hampton said.

Working with Continuing and Distance Education officials, Gary Miller, associate vice president for distance education, Peter Rubba, director of academic programs, Blake Withall, program manager and Melanie Doeber, program developer, Hampton is now working on course development with Penn State faculty in art, interactive arts, music and history, in particular.

Her colleagues in Ghana will focus on the history and cultural context of traditional West African art while the Penn State faculty will focus on contemporary expressions in the United States.

In addition to course units taught by faculty from both institutions and virtual team projects combining students in both locations, the Web-based program will involve actual faculty and student exchanges and opportunities for faculty and student research.

To further integrate the course units developed here and in Ghana, KNUST officials Ayim and Singh are paying close attention to Penn State's technology of distance education and learning more about how the university is using technology in the classroom and in the integrative, graphic and performing arts, especially.

Hampton expects the Web-based course to be online by September 2002. Other projects that may develop through this collaboration are a joint course in the social foundations of architectural design and a graphic design and ceramics course using traditional forms for contemporary art. Both universities have strong programs in community-based architecture and graphic design.

Interdisciplinary group to work on Marine Manpower Project

Researchers from the Applied Research Laboratory, College of Engineering, School of Information Sciences and Technology and The Smeal College of Business Administration have teamed to help the U.S. Marine Corps (USMC) meet its future manpower and human resource development needs.

The Studies and Analysis Division of the Marine Corps Combat Development Command awarded a \$548,000 to the Marine Corps Research University (MCRU) at Penn State for research support. A multidisciplinary team of subject-matter experts is being led by James Wise of the Applied Research Laboratory and Soundar Kumara of the College of Engineering's Department of Industrial and Manufacturing Engineering.

Working with them are Chao-Hsien Chu of the School of Information Sciences and Technology, Jack C. Haysa of The Smeal College's Department of Management Science and Information Systems, Vittal Prabhu and Natarajan Gautam of the Department of Industrial and Manufacturing Engineering and Christopher Byrne of the Applied Research Laboratory. Retired Lt. Col. Ron Madrid, USMC,

associate director and program manager of the MCRU, is coordinating the effort with the Marine Corps.

The Penn State team will produce a systems architecture that defines the information systems and models that will support the USMC's total force structure and human resource development processes into the 21st century.

Based on an analysis of current Marine Corps systems and mission requirements, the team will then recommend specific computational methods, computer hardware and software, and information requirements to support new manpower and human resource systems.

The work involves interviews with USMC officers and personnel to review information needs, in-depth analyses of the currently used information architecture and a broad-based search for systems to meet the Marine Corps' projected needs.

In 1999, Penn State was designated the Marine Corps Research University and, as such, provides education and research support to the Corps. To date, the MCRU has been awarded 28 tasks valued in excess of \$12.6 million.

Search under way for three deans at Penn College

Pennsylvania College of Technology has launched a search to fill three academic-dean's positions by July 1.

Applications are being reviewed for deans in the schools of Business and Computer Technologies, Industrial and Engineering Technologies and Integrated Studies. The search will continue until the positions are filled.

The School of Business and Computer Technologies is the largest academic school at Penn College, with an enrollment of 1,104 students. The school employs 34 faculty members. Terry A. Girdon, who served as dean since 1995, has announced his plans to return to the classroom in the fall.

The School of Industrial and Engi-

neering Technologies is the college's third-largest, with an enrollment of 749 students. It also employs 34 faculty members. Eric K. Albert, who joined the faculty in 1991, has served as school dean for four years. He, too, plans to return to the faculty next fall.

Enrollment at the School of Integrated Studies is currently 723 students, making it the fourth-largest school at the college. The school employs 62 faculty members. Diana L. Kuhns, assistant dean for the school since 1993, has served as acting dean since the resignation of a former dean in 1999.

Descriptions for the three positions are available on the Web at <http://www.pct.edu/adminsearch/>.

The mall has it all



Class is in session at Penn State Fayette's recently opened campus site at the Uniontown Mall. The site offers credit and continuing education courses applicable to certificate programs, associate and baccalaureate degrees. While it is especially convenient for Uniontown Mall employees, its location also puts a Penn State campus within walking distance for many Uniontown residents. Kelly Hunt, mall site coordinator and continuing education representative, will serve as the contact person for the community.

Frozen fangs



Sharp, glittering icicles hang from a bending bough like the long teeth of some long-gone prehistoric beast. The abstract ice art is actually the product of water sprayed on branches at one of the farms on campus.

Photo: Greg Grilo

Major grants will connect engineering, business education

The GE Fund, based in Fairfield, Conn., has awarded the University two grants totaling nearly \$475,000 to foster entrepreneurship by integrating engineering and business learning environments for undergraduates.

The College of Engineering at University Park will receive nearly \$300,000 over two years to support a partnership among the College of Engineering, The Smeal College of Business Administration and Penn State Altoona. The three colleges will collaborate to develop and implement faculty development and a new four-course sequence for engineering students on the principles and practices of entrepreneurship.

The four-course entrepreneurship sequence will begin with a new, team-taught, first-year seminar on entrepreneurship and culminate with a capstone engineering design course using problem-based entrepreneurial activities.

Penn State Erie will receive close to \$176,000 over two years for a multidis-

ciplinary program involving its School of Engineering and Engineering Technology and School of Business. The grant also will support the development of an integrated engineering and business curriculum, faculty development and team-teaching, and establishment of a Center for Product Realization, an incubator for new business ideas.

Penn State Erie and General Electric Transportation Systems (GETS) currently maintain a wide-ranging partnership that includes remote diagnostics research, undergraduate senior design projects, and student internships. The e-Business Solutions unit of GETS is located in Knowledge Park at Penn State Erie.

The GE Fund, the philanthropic foundation of the General Electric Co., invests in improving educational quality and access and strengthening community organizations in GE communities around the world. For more information on the GE Fund, check the Web at <http://www.ge.com/community/fund.html>.



Promotions

Staff

Christie J. Alter, library supervisor IV in University Libraries

William E. Ames, network coordinator in College of Engineering

Margaret L. Augustine, library supervisor IV in University Libraries

Talat Azhar, senior marketing research associate in Division of Outreach and Cooperative Extension

Nancy J. Barrickman, staff assistant VI in Computer and Information Systems — Center for Academic Computing

Walter J. Beatty, manager, network and information systems III in College of Engineering

Timothy A. Benner, computer and technical specialist in College of Health and Human Development

Georgiann R. Bennett, staff assistant VII in College of Education

Amy L. Bierly, staff assistant VII in College of Health and Human Development

Nancy C. Bierly, accountant aide in College of Earth and Mineral Sciences

Mark A. Bodenschatz, director, facility support services in Office of Physical Plant

Matthew A. Bonnell, network support specialist in Division of Auxiliary and Business Services

Michele L. Brown, computer support assistant in Office of Physical Plant

Duane M. Bullock, senior purchasing agent in Business Services

Lavonda A. Burchfield, staff assistant V at Penn State Dickinson School of Law

Robert B. Campbell, senior DUS programs coordinator at Penn State York

Angie D. Capone, staff assistant VII in Computer and Information Systems — Center for Academic Computing

Joseph K. Carlson, network analyst in Eberly College of Science

Kenyan B. Catell, staff assistant VI in College Health and Human Development

Leona D. Charles, library assistant in College of Medicine, The Hershey Medical Center

Susan B. Cherry, computer support assistant in College of Health and Human Development

Emily W. Chiang, manager for business services in Business Services

Angela D. Clark, staff assistant VI in College of the Liberal Arts

Denise C. Connelly, assistant to the dean in College of Agricultural Science

Cheryl R. Dorman, staff assistant IV in Division of Outreach and Cooperative Extension

John D. Corro, senior systems analyst in Computer and Information Systems — Administrative Systems

Carolyn J. Cosolito, external relations assistant in Division of Outreach and Cooperative Extension

Kathleen A. Coursen, teacher in College of Health and Human Development

Kevin M. Cramer, information systems support associate in Computer and Information Systems — Center for Academic Computing

Richard A. Cropp, systems engineer II in Computer and Information Systems — Telecommunications

Deanna F. Coble, computer and technical specialist in Student Affairs

Vickie R. Cunningham, advanced engineering aide in Applied Research Laboratory

Sean M. Curling, network and systems analyst in Division of Auxiliary and Business Services

Robert W. Dashem, senior engineering aide in Applied Research Laboratory

Elizabeth W. Daye, administrative assistant IV in College of Earth and Mineral Sciences

Kathy DeMartino, systems planning specialist III in Computer and Information Systems — Administrative Systems

Stephanie A. Derstine, staff assistant V at Penn State Lehigh Valley

Giles L. Destreel, network analyst in Division of Auxiliary and Business Services

Lisa M. Dibert, applications programmer/analyst in Computer and Information Systems — Administrative Systems

Brenda L. Dinges, staff assistant VI in College of Agricultural Science

Melissa P. Dixon, contracts and proposal specialist in Applied Research Laboratory

Patricia K. Doroschenko, staff assistant VI in Office of the Vice President for Research

Susan W. Dull, staff assistant V in Housing and Food Services

Gail J. Dunnire, applications programmer/analyst in Computer and Information Systems — Administrative Systems

James D. Ellis, applications programmer/analyst in Division of Undergraduate Studies, Office of the Vice Provost and Dean for Undergraduate Education

Mary E. Esler, assistant to director at Penn State Dickinson School of Law

Tamara B. Fetterolf, proposal and grant assistant in College of Education

Kaye L. Fetzer, assistant coordinator, contracts and grants management in College of Agricultural Sciences

Chad E. Firestone, senior project associate in College of the Liberal Arts

Katheryn Foster, research technologist in Division of Outreach and Cooperative Extension

Carrie L. Friday, staff assistant VII in College of Agricultural Sciences

Cheryl A. Gardner, coordinator, research and administrative services in College of Earth and Mineral Sciences

Kathy A. Garis, information technology associate in Computer and Information Systems — Administrative Systems

Julia S. Giboney, administrative assistant II in College of Health and Human Development

Tracie T. Gonder, staff assistant V in Housing and Food Services

Edward A. Good, engineering aide in Applied Research Laboratory

Dorothy E. Greer, staff assistant IX in College of Agricultural Science

Lydia R. Grimm, staff assistant VII in College of Earth and Mineral Sciences

John R. Harlow, assistant director of student affairs in Student Affairs

Karen S. Hazel, assistant director, child care in College of Health and Human Development

Missy L. Hazen, research support assistant in Eberly College of Science

Carol J. Hendershot, admissions counselor III in Division of Outreach and Cooperative Extension

Nancy J. Herb, technician-research in College of Medicine, The Hershey Medical Center

David M. Hersh, development assistant in Division of Development and Alumni Relations

Beth J. Hewitt, assistant to financial officer I at Penn State Beaver

Suzanne E. Hill, research support assistant in College of Medicine, The Hershey Medical Center

Debra K. Howe, office manager in Office of the Vice President for Administration, Office of the President

Lola A. Hubler, research support technician III in College of Agricultural Sciences

Summer D. Irvin, coordinator, residence life in Student Affairs

Joyce E. Ivicic, development assistant in Division of Development and Alumni Relations

Elizabeth G. Izenas, public information coordinator at Penn State Shenango

Edwin L. Johnston, manager for business services in Division of Auxiliary and Business Services

Michelle L. Kellander, accountant aide in College of Engineering

Kimberly A. Keller, administrative assistant II in College of the Liberal Arts

Neil R. Kelley, systems coordinator in College of Arts and Architecture

Lori S. Kello, staff assistant V in Housing and Food Services

Mary Kelly, associate director for contracts in Applied Research Laboratory

Staci L. Kelly, staff assistant VI in College of the Liberal Arts

Robin L. Kephart, administrative assistant II in College of the Liberal Arts

Ronald B. Kessinger, facilities administration officer in Eberly College of Science

Rod N. Khayat, senior office information specialist in Computer and Information Systems — Center for Academic Computing

Kelley S. King, systems planning specialist in Office of the Corporate Controller

Johnnie S. Kinsinger, assistant director at Penn State Altoona

Peggy A. Klinger, assistant coordinator, research funds in Eberly College of Science

Pamela R. Knowlton, contract coordinator/writer at Penn State Dickinson School of Law

Randal E. Kramkowski, lead applications programmer/analyst in Division of Auxiliary and Business Services

John A. Krumrine, director of development in Division of Development and Alumni Relations

Mary E. Kunze, senior research support associate in Office of the Vice President for Research

Brian H. Ladridge, systems engineering I in Computer and Information Systems — Telecommunications

Maxine E. Laslo, staff assistant VI in College of the Liberal Arts

Heidi M. Lefort, staff assistant V in Housing and Food Services

Andrea A. Leonard, staff assistant VI in Division of Development and Alumni Relations

Kimberly N. Leynes, staff assistant VII in Division of Development and Alumni Relations

John G. Lintner, senior research support associate in Eberly College of Science

Jennifer S. Litz, library supervisor IV in University Libraries

Robin D. Long, library assistant in College of Medicine, The Hershey Medical Center

Gwendolyn M. Lough, library supervisor IV in University Libraries

Jeffrey F. Luck, associate director, information systems operations in Division of Outreach and Cooperative Extension

Lisa A. Lugent, physician assistant/nurse practitioner in Student Affairs

Katherine Lumley-Sapanski, manager of environmental protection and health in Office of Physical Plant

Mindy B. Lutichko, staff assistant VII in Division of Development and Alumni Relations

David J. Lykens, office information specialist in Division of Outreach and Cooperative Extension

Regina L. Lyons, supervisor, scheduling and work reception in Office of Physical Plant

Craig P. Marino, banquet manager in Hospitality Services

Samuel A. Martella, advanced engineering aide in Applied Research Laboratory

Ronald L. Martin, supervisor, environmental services in Office of Physical Plant

Julie A. Martinez, manager of student insurance in Student Affairs

Steven M. Maruszewski, director, design and construction services in Office of Physical Plant

Mark Matuskis, assistant to director, business services at Penn State DuBois

Sandra W. McBride, human resources coordinator I in Office of the Vice President for Research

Patricia H. McCartney, assistant to financial officer II in College of Earth and Mineral Sciences

Lisa A. McEllan, staff assistant V in Housing and Food Services

Kathy A. McCollo, admissions counselor in Division of Outreach and Cooperative Extension

More Promotions, page 21



More Promotions

Continued from page 20

David E. McCracken, teacher in College of Health and Human Development
Mack W. Messner, engineer I in Office of Physical Plant

M.R. Miller, director of human resources in Commonwealth College
Kevin E. Moore, assistant director, alumni relations at Penn State Erie
Russell C. Mulkey, senior applications programmer/analyst in Computer and Information Systems — Administrative Systems

Kevin R. Musick, associate director II in Division of Development and Alumni Relations

Vivian J. Myers, supervisor, environmental services in Office of Physical Plant

Ronald P. Nagle, janitorial services coordinator in Office of Physical Plant

Bonita R. Newfield, staff assistant VI at Penn State Altoona

D.J. Newman, senior research programmer in Computer and Information Systems — Center for Academic Computing

Susan A. Niessner, staff assistant VI in Division of Outreach and Cooperative Extension

Sharon R. Pagano, library supervisor IV in University Libraries

Denise S. Peck, administrative assistant I in College of Health and Human Development

Eileen Pennisi, coordinator, support center in College of Education

Belinda M. Peters, staff assistant VIII in Information Sciences and Technology

Linda L. Porta, staff assistant V in College of Earth and Mineral Sciences

Kelly M. Powell, staff assistant VII in College of Communications

Anne M. Pruznak, research support assistant in College of Medicine, The Hershey Medical Center

Jodi M. Rae, staff assistant VI at Penn State Berks

Joel R. Reed, systems coordinator in Office of International Programs, Executive Vice President and Provost

Scott K. Reed, systems engineer I in Computer and Information Systems — Telecommunications

Chris A. Reese, front office supervisor in Hospitality Services

Kathi S. Reynolds, lead applications programmer/analyst in Computer and Information Systems — Administrative Systems

Lewis C. Riccio, director of development in Division of Development and Alumni Relations

Sharon E. Rich, finance and accounting assistant in College of Medicine, The Hershey Medical Center

Suzanne M. Richard, lead applications programmer/analyst in Office of the Corporate Controller

Eric B. Richardson, manager, network and information systems II in The Smeal College of Business Administration

Beatrice B. Ripka, staff assistant VI in Office of the Vice Provost and Dean for Enrollment Management and Administration

Robin M. Robinson, coordinator, records office in College of the Liberal Arts
Billie J. Rocky, staff assistant V in Housing and Food Services

Susan K. Rocky, assistant coordinator, contracts and grants management in College of Earth and Mineral Sciences

Constance M. Rogus, staff assistant IX in Office of the Senior Vice President for Finance and Business/Treasurer

Cathleen D. Ronig, assistant coordinator, contracts and grants management in College of Engineering

Krystal M. Sabol, technology training assistant in Computer and Information Systems — Center for Academic Computing

Carolyn L. Saxton-Sharp, staff assistant VI in Eberly College of Science

Carolyn A. Schenk, computer and technical specialist in Student Affairs

Melanie M. Schuster, applications programmer/analyst in Computer and Information Systems — Administrative Systems

Jill M. Seligworth, teacher in College of Health and Human Development

Bonnie M. Selner, staff assistant V in Office of the Vice Provost and Dean for Enrollment Management and Administration

Luan D. Sellard, staff assistant V in College of Medicine, The Hershey Medical Center

Timothy A. Shaffer, director of business services in College of Medicine, The Hershey Medical Center

Tina M. Shawley, staff assistant VIII in College of Health and Human Development

Gayford D. Shawver, research equipment designer in Office of the Vice President for Research

Karyn L. Sheaffer, technician-research in College of Medicine, The Hershey Medical Center

Susan M. Shilling, senior applications programmer/analyst in Office of the Corporate Controller

Holly M. Shoemaker, administrative assistant III in College of Agricultural Sciences

Susan R. Shoup, marketing information coordinator in Office of the Vice President for Research

Michele M. Siegfried, coordinator, endowments and trusts in Investment Management, Central Finance and Business

Sharon L. Siegfried, graphic designer at Penn State Harrisburg

Lara C. Simmon, telecommunication analyst II in Computer and Information Systems — Telecommunication

Margaret D. Skerchok, lead database programmer in Division of Auxiliary and Business Services

Lisa M. Skripek, administrative assistant I in Office of the Vice President for Research

Lorie A. Smith, staff assistant VI in Student Affairs

Kelly A. Snyder, associate director in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Michelle M. Speraw, financial and accounting assistant in College of Medicine, The Hershey Medical Center

Jay P. Spiegel, assistant to financial officer II at Penn State Harrisburg

Netaji Puckett Sprankle, staff assistant V in Identification card office in Division of Auxiliary and Business Services

Cory M. Staub, technician-research in College of Medicine, The Hershey Medical Center

Meissa L. Stine, accountant aide in College of Earth and Mineral Sciences

Joane R. Stoneberg, academic counselor in College of Arts and Architecture

Amey L. Stover, staff assistant VI in Eberly College of Science

Connie E. Stover, assistant coordinator, contracts and grants management in Corporate Controller's Office

Joy L. Struble, assistant coordinator, contracts and management in Applied Research Laboratory

Karen A. Struble, external relations assistant in University Libraries

Bonnie B. Sukana, staff assistant VII at Penn State Hazleton

Erik J. Takacs, assistant research engineer in Applied Research Laboratory

Friedrich W. Tilton, assistant research engineer in Applied Research Laboratory

H.L. Tressler, administrative assistant III in Board of Trustees Office, Office of the Vice President for Administration

Anthony C. Vallada, systems coordinator in Hospitality Services

Kathleen M. Vaughn, staff assistant VI in Office of the Vice President for Research

Thomas Venturino, director, football operations in Intercollegiate Athletics

Bruce E. Walker, staff assistant V, identification card office in Division of Auxiliary and Business Services

Elizabeth A. Walsh, staff assistant V in Housing and Food Services

Rosemary A. Walsh, director of research projects in Office of the Vice President for Research

Latrisha D. Wasson, staff assistant VI in College of Engineering

Any J. Weaver, staff assistant VII in Undergraduate Admissions Office, Office of the Vice Provost for Enrollment Management and Administration

Debra K. Weaver, staff assistant VI in College of Engineering

Karl A. Wells, help desk coordinator at Penn State Abington

Jeanne M. Williams, information planning specialist in College of Agricultural Sciences

Debra A. Wilshire, staff assistant VI at Penn State Altoona

Frances J. Wilson, library assistant III in College of Medicine, The Hershey Medical Center

Patricia Q. Winters, director, institutional advancement at Penn State McKeesport

Sue E. Witherite, staff assistant VII in Division of Outreach and Cooperative Extension

Patricia A. Wood, staff assistant VI at Penn State Altoona

Kathy S. Wyland, staff assistant VI in Eberly College of Science

James D. Wylie, research support assistant in College of Medicine, The Hershey Medical Center

Chantelle E. Yamrick, teacher in College of Health and Human Development

Marie L. Young, marketing communications account specialist II in Division of Outreach and Cooperative Extension

Dawn M. Zimmaro, educational testing associate in University Testing Services, Office of the Vice Provost and Dean for Undergraduate Education

Donna J. Zimmerman, staff assistant Vin Housing and Food Services

Technical Service

John W. Beschler, tunnel operator/assistant model mechanic in Applied Research Laboratory

Roger K. Curley, maintenance worker utility at Penn State Dubois

Dohn A. Dummire, lab maintenance technician in Eberly College of Science

Kristin F. Edson, lead tree surgeon in Office of Physical Plant

Ryan J. Jacobo, instrument maker B in Eberly College of Science

Ronald L. Keller, group leader, test track in College of Engineering

Robert E. Litten, area facilities maintenance mechanic in Office of Physical Plant

Brad J. Long, maintenance mechanic B at Penn State Altoona

Viola L. McCready, storeroom worker in Housing and Food Services

James M. Mostak, janitorial worker in Office of Physical Plant

Nancy A. Owens, operator, engineering copy center in College of Engineering

David J. Phillips, maintenance worker general B at Penn State Hazleton

Mark P. Raffetto, operator, engineering copy center in College of Engineering

Michael H. Ripka, groundskeeper landscape A in Office of Physical Plant

Lawrence N. Robertson, maintenance mechanic B at Penn State Erie

Gregory L. Sloop, maintenance mechanic A at Penn State Dickinson School of Law

Carol M. Smith, operator, engineering copy center in College of Engineering

Scott K. Sunday, dining hall worker A in Housing and Food Services

Raymond D. Tice, equipment operator in Office of Physical Plant

Timothy J. Treaster, instrument maker B in Eberly College of Science

Debra A. Way, maintenance worker in Office of Physical Plant

Brian K. Yeager, mechanic maintenance B at Penn State Hazleton

Sharon M. Yetter, residence hall utility worker in Housing and Food Services

Carol A. Young, maintenance worker, area landscape in Office of Physical Plant



Penn Staters

Parvez Ahmed and Sudhir Nanda, assistant professors of finance at Penn State Harrisburg, were presenters at the 2000 Annual Conference of the Financial Management Association International in Seattle.

Omid Ansary and A.B. Shafei, School of Science, Engineering and Technology faculty members at Penn State Harrisburg, have been awarded the Institute of Electrical and Electronics Engineers Third Millennium Medal.

Patricia A. Book, associate vice president for outreach and executive director of continuing education, was elected to the Board of Global Associates, a Knowledge Network of the University Continuing Education Association.

A. Welford Castleman Jr., holder of the Eberly Family Distinguished Chair in Science and Evan Pugh professor of chemistry and physics, was an invited participant in a workshop in Egypt designed to help formulate a cooperative program in advanced nanoscale materials between Egypt and the United States. Castleman was invited to present an overview of the field.

Rupert F. Chisholm, professor of management at Penn State Harrisburg co-chaired a two-day workshop at Academy of Management Conference in Toronto. He also made a presentation as part of a symposium on "Expanding Action Research: A Familiar Method with New Groundings, Practices and Exemplars for Participative Inquiry."

Mona M. Counts, a professor and Eberly Chair of Nursing at Penn State Fayette, was named a Fellow of the American Academy of Nurse Practitioners. The American Academy of Nurse Practitioners, an international organization, is the world's largest nurse-practitioner group. The FAANP program was established to recognize nurse practitioners who have made outstanding contributions to health-care practice, research, education or policy and to facilitate leadership in the profession. Twenty-one charter fellows were inducted in 2000.

Waldemar Dobinski, associate professor of surgery and director of tumor research in the College of Medicine, received the Award for Excellence in Basic Research given by the Society for Neuro-Oncology and funded by the Pediatric Brain Tumor Foundation. It was given at the fifth Annual Scientific Meeting of the Society in Chicago.

Renee Diehl, professor of physics, has been named to the editorial board of *Journal of Physics: Condensed Matter*. Diehl also was elected a Fellow of the American Physical Society.

Juris G. Draguns, professor emeritus of psychology, has been selected to receive the receive the American Psychological Association's 2001 Award for Distinguished Contributions to the International Advancement of Psychology. Draguns also presented keynote addresses at three scientific meetings: "Groups and Workshops in Interethnic Conflict Resolution: Their Accomplishment and Promise, with Special Reference to the Baltic Context" at the Fourth Baltic Congress of Psychology in Riga, Latvia; "Fifty Years of Perceptogenic Research: Retrospect and Prospect" at the Perceptogenesis Symposium in Delphi, Greece; and "The Expression of Culture in Psychotherapy," in Spanish, at the Fourth International Psychology Conference at the University of the Americas in Cholula, Mexico.

Charles Carolan, director of the School of Visual Arts and professor of art education, was a keynote artist

and lecturer at a New Zealand symposium, "Post Object and Postmodern Performance Art in New Zealand from the 1970s and Beyond," co-organized by the University of Canterbury and the Robert McDougall Art Gallery in Christchurch, New Zealand. He performed "Breaking Water," a live work, and presented a paper.

Alireza Haghighat, professor of nuclear engineering in the Department of Mechanical and Nuclear Engineering, served as co-chair for publication of *PHYSOR 2000, ANS International Topical Meeting on Advances in Reactor Physics and Mathematics and Computation into the Next Millennium*, held in Pittsburgh. Haghighat also organized and chaired a special session on "Parallel Computing in Reactor Physics" and presented an invited paper on "Reactor Physics Education." His students presented three papers, and he and his students conducted two mini-workshops on their advanced particle transport codes at this meeting. Haghighat also presented "Parallel Performance and Robustness of PEN-TRAN-TM (Parallel Environment Neutronics Transport) for Simulation of Real-Life Shielding Problems," "A PEN-TRAN-TM Model for a Medical Computed Tomography Scanner," "Comparison of FSU and BUGLE Libraries With Application To Pressure Vessel Neutron Dosimetry" and "Utilizing the Angular Multigrad Acceleration for Large Scale Transport Problems" at the 10th International Meeting on Radiation Protection and Shielding in Spokane, Wash.; and "Application of AZMCP to Radiation Shielding Problems," co-authored by J.C. Wagner from Oak Ridge National Laboratory, at the "MC2000—Advanced Monte Carlo in Radiation Physics, Particle Transport Simulation and Applications," in Lisbon, Portugal. At that conference, Haghighat co-chaired a session on "Variance Reduction Techniques."

Paul W. Howe, assistant professor of business administration/travel and tourism at Pennsylvania College of Technology, was a featured speaker at the Diving Equipment and Marketing Association's national convention in New Orleans. Howe conducted seminars on business as it relates to the diving industry and diving travel.

Gerald G. Johnson Jr., associate professor emeritus of computer science and engineering, was elected Fellow of the International Centre for Diffraction Data. This award is given to members of the centre who have given of their time and talents, beyond that normally associated with regular membership.

Byung-Lip "Les" Lee, associate professor of engineering science and mechanics, has been selected as a member of editorial board for the *Journal of Composite Materials*. Also, Lee has been serving as one of three technical experts for the National Highway Traffic Safety Administration, advising on the recent matter of "safety recall of Firestone tires for Ford Explorer Sports and Utility Vehicles" from the viewpoint of the mechanics of flexible matrix composite materials.

Four members of the Tremmin Trust Research Program on Women's Health, located in the College of the Liberal Arts and the Population Research Institute, presented papers at the International Congress of Behavioral Medicine in Brisbane, Australia. **Phyllis Kornoff Mansfield**, director of the Tremmin Trust Program and professor of women's studies and health education, gave an invited talk as part of a panel of directors of large-scale women's health research programs; she was joined by program directors from the United Kingdom and Australia. **Gretchen Gierach**, sen-

ior research technologist at the Tremmin Trust, **Patricia Koch**, associate professor of biobehavioral health and women's studies and Mansfield presented a paper on midlife sexuality changes based on the team's Midlife Women's Health Survey, for which Gierach won an Early Career Award. **Susanah Barson**, NIA postdoctoral fellow, presented a paper on seasonal variations in progesterone levels in an indigenous population in Venezuela.

Julian Maynard, distinguished professor of physics, has been named as divisional associate editor for the journal *Physical Review Letters*. Maynard's research includes work with physical acoustics.

Barbara W. Pennypacker, associate professor of agronomy, presented a paper at the Durable Resistance: Key to Sustainable Agriculture Symposium in Wageningen, The Netherlands.

Jorge Pullin, professor of physics, has been honored by the American Physical Society with the 2001 Edward A. Bouchet Award. Pullin was recognized for his contributions to research regarding gravitational-wave propagation and the quantum theory of gravity. He also was cited for his efforts as a founding member of the National Society of Hispanic Physicists.

SELF, a fitness and nutrition magazine, has named *Volumetrics: Feel Full on Fewer Calories*, written by **Barbara Rolls**, Guthrie chair of nutrition in the College of Health and Human Development, and co-authored by **Robert A. Barnet**, as the best weight-loss plan in America. In the magazine's January issue, five leading weight-management experts unanimously voted *Volumetrics* as the No. 1 weight-loss plan for its healthful regimen. The experts used a 30-item questionnaire to rate 13 of America's most popular weight-loss plans. *Volumetrics* received the rating of "A" and had the highest combined score in the survey. *Volumetrics* was published last year by Harper-Collins and was recently released in paperback with the title *The Volumetrics Weight-Control Plan: Feel Full on Fewer Calories*.

Sherry Roush, assistant professor of Italian, has been elected to the executive committee of the Modern Language Association's Division of Medieval and Renaissance Italian Literature for the term 2001-2005.

Frank Rusiniko Jr., senior scientist and director of the Consortium for Premium Carbon Products from Coal in the Energy Institute gave an invited plenary talk on "From Coal to Premium Carbon Products" at the V National Congress on Science and Technology of Carbon at Valledupar, Colombia. He also gave invited talks on "Carbon Products" to a combined group from Universidad Pontificia Bolivariana and Universidad Nacional de Colombia in Medellin and also to a group at Universidad Nacional in Bogota.

Dennis Scanlon, professor; **Thomas Bruening**, associate professor; and **Carol Hodes**, senior research project associate, all from the agricultural and extension education department, presented an invited pre-conference workshop at the Association for Career and Technical Education meeting with staff from the U.S. Department of Education's Office of Vocational and Adult Education in San Diego. The workshop was titled "Career and Technical Education at the Crossroads." **Mary Kiser**, assistant professor of workforce education, was involved as facilitator.

Thomas Smialek, associate professor of music and integrative arts at Penn State Hazleton, presented a paper at the 43rd Annual Meeting of the College Music Society in Toronto. The meeting was part of Toronto 2000, a joint meeting of 14 academic music societies in North America.



Focus on Research

Bigger not always better when it comes to mega business mergers, study says

By Vicki Fong
Public Information

Every few months, the news headlines proclaim the latest mergers, such as Chevron-Texaco and GE-Honeywell. For the most part, every company trumpets the expected lower costs, higher profits and greater global share of their industry. But a University Park researcher found that bigger is not always better.

"Pushing these huge — and pricey — cross border deals is the almost universal belief that industries will inevitably become more concentrated as the world's markets become more globalized," said Fariborz Ghadar, who holds the William A. Schreyer Chair of Global Management, Policies and Planning in The Smeal College of Business Administration. "The theory is the spoils of the market are supposed to go to a select few in each industry. If you want to survive, let alone thrive, you must be one of the world's biggest players. But we found that simply is not true."

He and Pankaj Ghemawat of the Harvard Business School studied more than 40 years of global market data on the shares of companies in more than 20 industries. They used the data to calculate a Herfindahl index measuring the degree of concentration in each industry including oil, automotive, aluminum, airline, semiconductors and telecommunications.

For example, the automotive industry has become a more global business since World War II, but has not become more concentrated, the researchers said. The long-term trend has been the scattering of market share and power across a greater number of players. General Motors' worldwide market share has fallen to its lowest level in more than 50 years. The market share it has lost has been spread among a large number of smaller players. The Daimler-Chrysler deal



Megamergers don't always lead to market domination, according to Fariborz Ghadar, who holds the William A. Schreyer Chair of Global Management, Policies and Planning in The Smeal College of Business Administration.

Photo: Greg Grieco

did contribute to an increased industry concentration but at a moderate rate, they noted.

Instead, many corporate managers suffer from several biases toward megamergers, leading to irrational decision-making and large-scale destruction of value. An obsession with growing revenues, stock price exploitation, herd behavior, rigid thinking and a personal drive by the CEO to globalization have lead CEOs to unwise corporate marriages, according to Ghemawat and Ghadar.

"There are better, more profitable strategies for dealing with globalization than relentless expansion," said

Ghadar, who also directs the Center for Global Business Studies in the Smeal College. "Savvy executives can benefit by buying assets sold off in a merger, focusing their efforts on the domestic market, taking time to improve own business practices, building alliances, or nudging antitrust forces to examine a competitor's proposed merger."

"In many cases, consolidation strategies are wrong," Ghadar noted. "In an era that is witnessing technological discontinuities, managers must not focus so much on size as a goal, but rather on the development of new business models that help them compete."

FROM THE EXPERTS

Left-handedness not necessarily the kiss of death

Although the percentage of left-handed people among those over age 60 is lower than in the rest of the population, there is no indication that left-handedness leads to an early demise.

Rather, a complex combination of factors combine so that fewer of the old and oldest old report left-handedness, according to a University researcher. Some factors involved include pressure to switch hands, more women than men in the older populations, adaptation to a predominantly right-hand world and a rightward trend caused by the aging process.

Clare Porac, professor of psychology and director, School of Humanities and Social Sciences, Penn State Erie, and Ingrid C. Friesen, doctoral candidate, University of Victoria, looked at 1,277 elderly people to determine the incidence of left versus right handedness, if this incidence was age related and the relationship of handedness to life experiences, such as efforts to switch left handers to a right-hand preference. The study included both older adults — aged 60 to 74 — and oldest-old adults — aged 75 or over. For the complete story by Andrea Messer, go to: <http://www.psu.edu/sr/2000/lefthandedness.html>

Some drugs impair elderly's cognition

New research from the College of Medicine provides preliminary evidence that psychoactive drugs such as antidepressants have both immediate and cumulative negative effects on cognitive performance for people age 80 and over.

"These kinds of medications are often prescribed to actually improve cognitive function," said Cheryl Delasega, associate professor of general internal medicine and associate director of research. "This study showed the opposite result. These drugs also are already associated with a number of negative side effects such as adverse drug reactions, and falls in the elderly. The implications of this study include that physicians and family members need to be aware that these elderly patients may need help managing their medications."

Co-authors of the study include Denise Orwig, University of Maryland, Stig Berg, Hälsohögskolan, Sweden, and James Walker, The College of Medicine.

The three-year study was of 351 people from Sweden age 80 and over.

Doctors come up with improved treatment for infant heart patients

A team of doctors at the College of Medicine in Hershey has come up with a streamlined procedure for treating infants with a heart ailment that avoids exposing them to X-rays.

In a published report, the doctors noted that babies with critical aortic valve stenosis (when the aortic valve is severely blocked and the left pumping chamber of the heart is weak) are often treated using transcatheter balloon valvuloplasty in the catheterization laboratory. A very small balloon is inserted across the blocked valve and into the heart through the carotid

artery in the neck. By inflating the balloon, the aortic valve can be stretched open, allowing more blood flow out of the heart and through the rest of the body. This procedure usually requires that the infant be transported to a catheterization lab where the procedure can be monitored using fluoroscopy (X-rays).

Howard Weber, professor of pediatrics at The Milton S. Eshelby Medical Center, and his colleagues Steve Cyran, Christopher Mart and John Myers, have developed an alternative method to fluoroscopy monitoring in

the catheterization lab: a trans-esophageal echocardiogram (ultrasound).

The doctors could perform the operation at the infants' bedsides. By moving the procedure to the bedside, they avoid transporting the very ill newborns to and from the catheterization lab, and also reduce the cost of the procedure.

By using echocardiography exclusively, the doctors completely eliminated the radiation to which the babies were previously exposed.

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Remembering Martin Luther King Jr.



Photo: Annemarie Mountz

Myrna Covington, academic adviser in the College of Education, hands a bell to Michael Pierick, director of document services, before the start of the Martin Luther King Jr. Commemorative Bell Ringing Ceremony on the University Park campus, above. **At right**, handbells from the Westminster Handbell Choir of Our Lady of Victory Catholic Church are ready to be rung. The handbell choir took part in the ceremony, which also included a video presentation by State College Area High School students; music by the Unity Church of Jesus Christ Combined Youth Choirs, Terri Dowdy, manager in the Office of Physical Plant, and the Sisters of Faith; and messages from Tom Poole, associate vice provost for educational equity, and Eva Pell, vice president for research and dean of The Graduate School.



Photo: Greg Grieco

Nominations sought for Achieving Women Awards

To honor the many accomplishments of women across the University, the Commission for Women, now celebrating its 20th anniversary, wants to recognize women who have achieved and excelled at Penn State and in their communities. The women selected will be honored at the commission's banquet, March 19 at The Penn State Conference Center Hotel, University Park.

The commission is seeking nominations from the following categories: faculty; staff (exempt and nonexempt); administrative; technical service; locations outside University Park; and students, both graduate and undergraduate. Anyone may make a nomination.

Total experience in a position; accumulated levels of responsibility; years of service and impact on a unit and the University as a whole will be considered when determining this year's winners. Nominees should meet one or more of the following criteria:

- Promotion to a high-level faculty or staff position, such as distinguished professor, director, vice president or manager;
- Leadership within a unit, a college or campus, the University or a student group;
- Demonstrated commitment to customer service and improvement; someone who has contributed to the economic, physical, mental or social well-being of her colleagues;
- Demonstration of team spirit and managerial excellence.
- Named recipient of an international, national, University or college-level award or winner of a major competition, such as one sponsored by a national association;
- Recipient of a major external scholarship, fellowship or other student award;
- Named coach or a team member of a national championship team;

- Demonstrated commitment to mentoring via formal or informal programs;
 - Serves on a University-wide committee; volunteers at University-sponsored events; and/or serves on departmental committee;
 - Volunteers in community organizations that support human causes and public service activities;
 - Supports Penn State's diversity efforts and promotes equal opportunity.
- Nominations forms are available on the Web at <http://www.lions.psu.edu/cfw/> or by calling the Commission for Women office at (814) 865-1683.

Nominations should include a statement of support and brief summary outlining the person's achievements both inside and outside the University. Submit nominations by Feb. 16 to Susan Shuman, Achieving Women of Penn State Nominations, 314 Grand Building, University Park, Pa. 16802.



Intercom

INFORMING THE PENN STATE COMMUNITY

JANUARY 25, 2001

Technology makes this classroom better



David T. Wilson, Alvin H. Clemens professor of entrepreneurial studies, reviews some information before the start of his class in the Thomas Auditorium on the University Park campus. Wilson is co-teaching a marketing and logistics class with Andrew Bergstein, instructor in marketing, and Robert A. Novack, associate professor of business logistics, in the new, high-tech classroom.

Photo: Greg Grieco

Thomas Auditorium a major step in improving teaching for large classes

By **BILL CAMPBELL**
Special to Intercom

The lights dim. Images flash on a giant split screen. The audience, in comfortable arena-style seating, is enveloped in sound from an ultra-modern hi-fidelity system.

It's not a Hollywood production. It's the new, state-of-the-art technology auditorium in Thomas Classroom Building at University Park.

Opened the first day of spring semester classes, the 726-seat auditorium is the shining star of the 115 general-purpose technology classrooms on campus.

"I'm really impressed with the new auditorium, its physical structure and the design," said Andrew Bergstein, instructor in marketing in The Smeal

College of Business Administration, who is co-teaching Business Administration 303, marketing and logistics, a core course required of all business majors.

"There's no presentation technology that I'm aware of that is not in the room. Those who conceived and designed the auditorium did an incredible job of arming the teachers and students with the best technology currently available. I'm looking forward to combining technology and this setting to enhance what is a difficult challenge of teaching very large classes."

David T. Wilson, Alvin H. Clemens professor of entrepreneurial studies, who is co-teaching BA 303 with Bergstein and Robert A. Novack, associate professor of business logistics, is equally impressed with the new facility.

"The venue is superior to any other large setting on campus," he said. "A major advantage is that there is a good sight-line to everyone in the auditorium. You can see the students and they can see you. That is especially important in large classes. The technology is the best I've encountered. We are still in a learning phase in terms of its use."

Dominating the auditorium is a 22-by-28-foot screen that also can be split to project two 12-by-18-foot images simultaneously. The teaching station features a touch screen panel through which the instructor can control everything in the auditorium, including the high-resolution video projection and the room lights.

Teaching, page 2

Board approves West Campus plan refinements

The Board of Trustees on Jan. 19 approved refinements to plans for the University's West Campus at University Park, which is bound on the east by North Atherton Street and on the south by a railroad right-of-way, to reflect new opportunities and challenges.

Eliza Pennypacker, director of campus planning and professor of landscape architecture, outlined a number of key challenges campus planners have met in adopting the 1999 West Campus plan into physical design. She said that Sasaki Associates, a landscape architecture firm known nationally for campus planning, has been working with them to address these issues.

"The first of our challenges is traffic and transportation. We must be very careful that cars accessing the parking deck or our housing do not overload Atherton Street or municipal neighborhoods to the south," she

West Campus, page 3

Technology transfer initiatives meeting with broad success

By **BARBARA HALE**
Public Information

The University is moving forward with vigorous and innovative approaches to technology transfer, the process whereby the University's creative and scholarly work is put to public use and/or commercial application. Eva J. Pell, vice president for research, told the Board of Trustees on Jan. 19.

These technology transfer efforts are being met by broad financial and educational success. For example, the patenting and licensing of University creative and scholarly products or "intellectual property," is one of the more focused mechanisms for transferring this knowledge. In 2000, Penn State licensing revenues from intellectual property totaled \$1,796,781.

Technology transfer, page 3



Class notes are projected on a 22-by-28-foot screen, split to project two images, enabling even those in the back of the classroom to see them with ease. This is just one of the technological enhancements built into the auditorium in Thomas Building on the University Park campus.

Photo: Greg Grieco

Teaching

Continued from page 1

Technology available to faculty includes two projectors, two slide projectors, two cameras, two document cameras, a PC, a Mac, VCR, DVD, CD/cassette player and an auxiliary video input to accommodate portable equipment.

An instructor can show notes or standard overhead transparencies through use of the document cameras, which provide a clear, crisp image of even handwritten notes. If students in the rear say they can't see the screen, the instructor can zoom in and scroll down the page. There is no longer any excuse for not being able to see the "blackboard." Instructors also will be able to use the Boeckler system, which allows them to make "John Madden scribbles" on the screen to highlight certain points.

To assist faculty members with the new technology, Michael Schomer, technician in Media and Technology Support Services in University Libraries, has an office above the auditorium and is only a phone call away.

"We are extremely excited about the new auditorium," said William Bishop, director of Media and Technology Support Services, which designed and developed the system. "We think it is an excellent tool for faculty to deliver instruction. We've tried to make it flexible to accommodate the needs of the faculty and their different teaching styles. Response from the faculty has been very positive. Technology keeps evolving and the way information is delivered to students is changing. It is more student-oriented and more learning-oriented," he said.

"After this semester, we will discuss and evaluate the system with faculty members who have used it. We may make some alterations. We want to be flexible to the needs of the faculty. It's a work in progress. If we need to modify the system, we are more than willing to do that."

The University Committee on Instructional Facilities, chaired by John Cahir, vice provost for undergraduate education, worked with faculty members teaching large classes to develop the concept for the auditorium addition and worked with the architects and contractors during all phases of design through construction. It was built at a cost of approximately \$5.8 million and adds 25,475 square feet to the Thomas Building. It is intended to replace the dependency on Schwab Auditorium for large classes.

"As a proud alumnus and a history buff, I cherish Schwab Auditorium and hope it continues to be used

for various purposes," Bergstein said. "But the Thomas Building Auditorium is a major step in improving the teaching environment for large classes. I hope that funds will be made available to provide some of the technology advances of the Thomas Auditorium to other large teaching spaces on campus."

In its first week of use, both students and faculty have been pleased with the auditorium.

"Students have responded well to it," said Mitch Price, instructor in biology, who teaches Function and Development of Organisms, a developmental biology and physiology class with more than 450 students.

"I'm very pleased with it. Even though it is a large room, there is a great deal of intimacy in that you can see everyone and move about the room easily. That breaks down some of the big-class feel."

Scott Snell, professor of business administration and director of the Institute for the Study of Organizational Effectiveness, co-teaches Managing Organizations, a class that often had upwards of 1,000 students and formerly met in Schwab Auditorium.

"This new setting is definitely a significant improvement," he said. "I like the way the seating is organized and the technology, with the touch screen, the document cameras and other equipment, is relatively simple to operate. The technological resources in this auditorium instantly raise the standard of what you need to provide effective teaching in large classes."

According to Diane Enerson, director of the Center for Excellence in Learning and Teaching, technology has the potential to close the communication gap between the instructor and students in large classrooms.

"It is not a panacea," she said, "but can be a useful tool for teaching effectively in large class sections. As class size increases, so does the students' sense of anonymity. But the ease with which faculty can communicate with their students, and vice versa, declines. Technology, if used effectively, can help correct that problem."

Bergstein considers technology "a marvelous enhancement" to good teaching, but not a replacement.

"I've been using technology throughout my seven-year University teaching career and I see it evolving," he said. "I'm looking forward to the development and use of interactive technology that will further encourage and facilitate student participation in large classrooms."

Penn State Erie to build new child-care center

Based on the recommendation of a committee composed of faculty, staff and students, Penn State Erie will build a new child care center in Knowledge Park.

The current child care center at 5650 Station Road will be razed later this year to make way for the new Eastside Access Highway. The new center will be constructed by the Greater Erie Industrial Development Corp., which is a partner with Penn State Erie in developing Knowledge Park. The building, expected to cost \$1.1 million, will be leased by the college, which hopes eventually to purchase it.

The college will be seeking the cooperation of PennDOT in delaying demolition of the current child-care center and the cooperation of Harborcreek Township supervisors to expedite construction of the new 8,500-square-foot center. Should it become necessary, the college will use campus space on a temporary basis to meet child-care needs. The new center will be slightly larger than the current facility.

PennDOT will pay the college \$936,000 for the land occupied by the current center. The college must pay off the \$451,000 that it still owes on the purchase and renovation of the existing center.

BOOK SHELF

Susan Toby Evans, adjunct professor of anthropology, and **David L. Webster**, professor of anthropology, *Archaeology of Ancient Mexico and Central America: An Encyclopedia*, published by Garland Publishing Co., New York.

Evans and Webster edited this 948-page volume, which includes more than 500 articles about the sites, cultures, trends and practices of the pre-Columbian cultures of Mexico and Central America.

Milton C. Hallberg, professor emeritus of agricultural economics.

Economic Trends in U.S. Agriculture and Food Systems Since World War II, published by Iowa State University Press.

The U.S. agriculture and food system has sustained many changes since its inception, but perhaps none have been as dramatic as those that have occurred since the end of World War II. This book provides a graphical display and short discussion of the relationships among various variables that are essential to understanding how this sector has evolved economically over the past 50 years and to informing debates about future policy choices for this sector. The book is intended as supplemental reading for students in agricultural policy.

Mark S. Morrisson, assistant professor of English, *The Public Face of Modernism: Little Magazines, Audiences, and Reception, 1905-1920*, published by The University of Wisconsin Press.

Morrisson is author of this book, which delves deeply into the publishing and promotional practices of the modernists in Britain and America, and examines how modernist artists and writers bought into mass marketing.

Jerry L. Workman, Paul Berg professor of Biochemistry and an associate investigator for the Howard Hughes Medical Institute, *Chromatin Structure and Gene Expression*, published by Oxford University Press.

Workman was co-editor of this book. Part of the publisher's "Frontiers in Molecular Biology" series, this book provides an update from a 1995 edition and represents an expanded and updated review on topics related to chromatin structure and gene expression.

West Campus

Continued from page 1

said. "The second is pedestrian safety. We must provide pedestrians safe crossing of Atherton Street — ideally not just in one location, but in multiple spots."

Other challenges identified were the creation of a landmark building for the new Information Sciences and Technology School; connections that link West Campus visibly and symbolically to core campus, and good design to emulate the qualities valued most in the physical environment of core campus.

The revised Sasaki Master Plan includes housing for families and graduate students at the far west end of West Campus that will foster a sense of community through design. It has a strong pedestrian spine that runs from the student housing community to the academic area to the east.

New West Campus academic buildings are planned with the existing academic buildings to form two quadrangles in a pedestrian-only campus core. The new buildings will accommodate up to 500,000 additional gross-square-feet of space for the College of Engineering.

The new plan also relocates the parking deck to the north side of West Campus.

"Since a surface lot for approximately 800 cars already exists on that side, this location would create the least additional traffic impact," said Pennypacker.

The deck will serve the academic buildings in the area and is likely to be an above-grade structure. However, the architects are also considering a long, low deck terraced into the hillside south of the intramural fields that could form the base of the academic buildings.

The long-term master plan proposes two roads accessing West Campus, both



This artist's rendering shows the proposed family housing units for West Campus.

on the periphery to maintain the pedestrian-oriented core. West Campus Drive is proposed to run along the railroad right-of-way past the bus station on Atherton Street, extending to Corl Road and then to the Western Inner Loop, with a possible future extension across Atherton Street to Burrows Road.

White Course Drive on the north of West Campus is proposed to replace Pollock Road entrance and will meet West Campus Drive to the west of the housing community. The plan also calls for two north-south roads that are likely to be limited access to prevent cut-through traffic — one on the west to access the housing and community center and one on the east to provide transit and service to the academic buildings.

In her presentation of the proposed IST building, Pennypacker said, "We are enormously enthusiastic about the design and planning for the new building. It brings us innovative design, pro-

vides us with a safe pedestrian crossing of Atherton Street and a visible link between West Campus and core campus," Pennypacker explained.

To make an effective and safe campus crossing, the University proposes to close Pollock Road between Atherton and Burrows and create a new entrance to the core campus immediately north of Rec Hall that will connect Atherton and Curtin Roads.

The existing parklike woodland between Rec Hall, The Nittany Lion Inn and Nittany Lion shrine with its woodland backdrop would remain intact, while the current parking lot in front of the shrine would be replaced by a significantly enlarged civic space.

"The Nittany Lion would no longer be partially hidden behind a sea of parked cars," she said.

"Pedestrians will have four crossings of Atherton, one at the IST building and three signalized intersections — one at West Campus Drive, one at White

Course Drive and one at the Curtin Road extension. Each of these is a "T" or three-way intersection to make crossing easier for pedestrians to navigate." Bicyclists will have trails on and through West Campus linked to the new Blue-White Bike Trail and a new bike trail along the Curtin Road extension, as well as the IST crossing.

"It also is imperative that West Campus be well-served by transit. Consequently, we're working with CATA to determine the most efficient and effective bus routes," she said.

While these plans are long-term, some key facets are proposed to be implemented soon. These include the Curtin Road extension and improvements, closure of Pollock Road on both sides of Atherton Street, relocations of vehicular access to West Campus to the entrance of the future White Course Drive and the West Campus housing community, said Pennypacker.

Technology transfer

Continued from page 1

In 1999, the most recent year for which rankings are available, the University was ranked 16th in the United States in an Association of University Technology Managers survey of the number of patents issued.

"Universities are major sources of the new knowledge that underlies novel commercial concepts, products and processes," Pell said. "The speed and efficiency with which university-based knowledge is transferred to industry is an increasingly important aspect of the competitiveness of technology-intensive U.S. firms and of the economy as a whole," she said.

Examples of the University's top royalty producing technologies include:

- "transformed stress direction acoustic transducer," invented by Robert Newnham, Shoko Yoshikawa and Qi-Chang Xu and licensed to Input/Output Inc.;

- "bending beam creep test device," invented by David Anderson and licensed to Cannon Instrument Co.;

- "microwave sintering of tungsten carbide," invented by Rustum Roy, Dinesh Agrawal, Jiping Cheng, Mahlon Dennis and Paul Gligl and licensed to Dennis Tool Co.;

- "pelletized mulch," invented by George Hamilton and licensed to Lebanon Chemical Co.

To date, the Penn State Research Foundation (PSRF), which manages Penn State Intellectual Property, has received more than \$900,000 in revenue from these inventions.

Pell also described three inventions or sets of inventions that are in the process of being commercialized:

- A year ago, three agricultural technologies, a genetic marker for boar taint, a technique for artificially inseminating ruminants and a poultry feed supplement were bundled to form a start-up company, EIEICO, by private investors. Since that contract was signed, two exclusive sublicensing agreements have been signed with large agricultural industries, a \$365,702 research contract has been undertaken at the University

and a research laboratory has been established in one of the University's incubators.

- Chiral Quest LLC is a start-up company organized by Technology Assessment and Development Inc. to commercialize catalyst technologies developed by Xumu Zhang, professor of chemistry. In payment, PSRF will receive 10 percent equity in Chiral Quest.

- Abiomed, a corporate leader in medical equipment, has acquired exclusive rights to the Penn State Heart and will have access to future advances in related implantable replacement heart technology generated by the University's research and development team. In payment, PSRF received 60,000 shares of Abiomed stock currently worth about \$1.3 million.

In addition, patents are pending for intellectual property that shows promise for commercialization. These include:

- coating technology for implantable medical devices, such as stents, to prevent reclosure of blood vessels after

angioplasty, invented by Dr. Mark Kester, College of Medicine;

- wireless communication approaches to be used when radio frequencies aren't appropriate, invented by Mohsen Kavehrad, College of Engineering; and

- refrigeration technology that uses sound waves, invented by Steven Garrett, Applied Research Laboratory.

For the year 2000, the Intellectual Property Office filed 102 full U.S. patent applications and 44 patents were issued, bringing the total patents to 223.

However, the patenting of intellectual property and the resulting financial returns aren't the only benefits of the technology transfer enterprise.

Students at every level have been engaged to assist in the effort and receive "real world" experience in the commercialization process.

"The fruits of our labors will lead to support for research and education, economic development in the Commonwealth and intrinsic value achieved by the realization of these technologies," said Pell.



Lectures

Future of education topic of Feb. 1 Forum

Allan E. Goodman, president and chief executive officer of the Institute of International Education, will talk on "I Sell Goats: The Future of Education in a Borderless World" on Thursday, Feb. 1, in the Ballroom at The Nittany Lion Inn, University Park.

Goodman was formerly executive dean of the School of Foreign Service and professor of international affairs at Georgetown University, where he built the graduate program into one of the top programs in the country for advanced training in diplomacy, leadership and international relations. While at Georgetown,



Allan E. Goodman

he also founded the "Women in Foreign Service Program," for which he recruited Madeleine Albright as director.

Tickets to the forum are \$11 for non-members and \$9 for members, and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center, University Park. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon. For more information call (814) 865-7590.

Genetically modified food is topic of lecture

A lecture titled "Monsters or Miracles? Genetically Modified Organisms in Our Food" will be presented by Nina Fedoroff, professor of biology, the Verne M. Willaman Chair in Life Sciences, director of the Life Sciences Consortium and director of the Biotechnology Institute, from 11 a.m. to about 12:30 p.m. Jan. 27 in 100 Thomas Building on the University Park campus.

The lecture is the third of six scheduled during the 2001 Penn State Lec-



Nina Fedoroff

tures on the Frontiers of Science, organized under the theme of "Decoding Life's Instruction Book: Genetics and Genomics."

Fedoroff will focus on genetic modifications and their promise for improving crop plants and our food supply.

For more information, call (814) 863-8453, e-mail science@psu.edu or check the Web at <http://www.science.psu.edu/alert/news.html>.

Penn College to be host for rural issues forum

Pennsylvania College of Technology's North Campus will serve as one of 11 host locations statewide for the next Pennsylvania Rural Development Council Rural Issues Forum, which will use a new Web-based format to address the rural "digital divide" and related telecommunications issues.

The live Webcast will be held from 9:30 a.m. to noon Friday, Jan. 26, in Room 117 at the North Campus. Sign-in begins at 9 a.m.

Former Sudanese slave to speak Jan. 26

Francis Bok, a 21-year-old college student who was a slave in the Sudan from the ages of 7 to 17, will discuss his experiences during a talk at 7 p.m. Friday, Jan. 26, in 105 Forum Building on the University Park campus.

When Bok was 7 years old, raiders from northern Sudan came into his

town, massacred all the adults, captured some children and took them away as slaves. Bok managed to escape when he was 17, and he is now working with the American Anti-Slavery Group.

The Webcast is free to the public; however, seating is limited, and registration is encouraged. To register or for more information, call (570) 724-7703 or (717) 772-9030, or check the Web at <http://www.pct.edu/>.

Networking conference will be held Feb. 4

The Women in Science and Engineering (WISE) Institute, with funding from the Pennsylvania Space Grant Consortium, will sponsor VOICES 2001, an annual networking conference for female graduate students in science and engineering, from 10 a.m. to 3 p.m. Sunday, Feb. 4, at The Nittany Lion Inn on the University Park campus. The conference also is open to students, faculty and professionals to network and

interact with peers and colleagues in science and engineering.

The conference will begin with a brunch and keynote panel on "Technology and the Changing Workforce." Also offered will be "Graduate School: Is it Right for Me?"

For more information on the conference or to request a brochure or registration form, call Katie Rung at (814) 865-3342 or e-mail cxg1@psu.edu.

Spring Conversations at Kern begin Feb. 1

The Graduate School will kick off its Spring 2001 Conversations at Kern Series Thursday, Feb. 1, with the first get-together titled "Going Global? Preparing for International Employment."

Judi W. Wakhungu, director of the Women in the Sciences and Engineering Institute and associate professor of science, technology and society, will lead the conversation. Wakhungu will share her international experience by discussing the necessary "credentials" to prepare for international employment; the importance of understanding

the culture and immigration laws; and ways to learn more about international employment opportunities.

Three Conversations at Kern are planned for the spring semester, all held from 5:15 to 6:30 p.m. in 112 Kern Graduate Building, University Park. Refreshments will be available at 5 p.m. Registration is not required.

Dates and topics for future Conversations at Kern can be found on The Graduate School Web site at <http://www.gradsch.psu.edu/calendar/>.

Documentary focuses on modern hate crimes

"Journey to a Hate Free Millennium," a documentary by Los Angeles filmmakers Brent Scarpo and Martin Bedogne, will be shown at 7:30 p.m. Tuesday, Jan. 30, in Schwab Auditorium, University Park.

The duo's documentary centers on many of the recent hate crimes that

have captured national attention and features interviews with family and friends of many of the victims. This is the only project in which the family of University of Wyoming student Matthew Shepard has agreed to participate.

The event is free to the public.

Lecture on invisible landscapes set for Feb. 1

John Tallmadge, core professor in literature and environmental studies at the Union Institute, Cincinnati, Ohio, and author of *Meeting the Tree of Life: A Teacher's Path*, will deliver a lecture/workshop at 4 p.m. Feb. 1 in 104 Thomas Building on the University Park campus.

Tallmadge's presentation, "Invisible Landscapes: Learning from Nature in the City," is part of a yearlong series of

workshops and lectures devoted to the topic of nature and culture. Tallmadge will follow his talk with an interpretive walk around the University Park campus. Those who wish to participate in the walk should meet at 8 a.m. Feb. 2 on the steps of Pattee Library (mall side).

For more information on upcoming speakers in the series, call Bob Burkholder at (814) 865-7105.

Technical Service Workshop set for Feb. 21

The seventh annual Commission for Women Technical Service Workshop will be held Feb. 21 at The Penn State Conference Center Hotel on the University Park campus. This year's theme is "Making Choices, Setting Priorities ... Women in Control."

The program will feature two morning sessions that are repeated in the

afternoon. The luncheon will feature Janis Jacobs, vice president for administration, as the keynote speaker. This free workshop is open to all female technical service employees.

For more information, call Carolyn Fisher at (814) 863-4017 or e-mail ckf1@psu.edu; or e-mail Laura Maney at kbn16@psu.edu.

Demonstration explores buildings Web site

A demonstration of "Penn State University Archives' Historic Penn State Buildings and Physical Plant Web Site" is scheduled for 3-4 p.m., Thursday, Feb. 1, in the Foster Auditorium, 101 Pattee Library, University Park. The presentation will be given by Lee J. Stout, University archivist, and Dan Kovachik, archives scanning technician and Web developer.

The Web site, using historic photographs, maps and reports, details the history of building development at Penn State. Funded by a grant from the Office of Undergraduate Education, the Web site, which is currently under construction, is intended for use by Penn State faculty and students in appropriate classes.

To register, call Jackie Esposito at (814) 865-7931, or e-mail jxe2@psu.edu.

Guerrilla Girls to speak at 2 campus events

The School of Visual Arts in the College of Arts and Architecture and Womyn's Concerns are sponsoring an informal question and answer session with the Guerrilla Girls at noon Thursday, Feb. 1, in the Java Café on the first floor of the Visual Arts building on the University Park campus.

The Guerrilla Girls also will give a lecture and performance the evening before their visit to the School of Visual Arts at 7 p.m. Wednesday, Jan. 31, in Heritage Hall, the HUB-Robeson Cen-

ter. Both events are free to the public.

The Guerrilla Girls are a group of anonymous female activists who originally came together in the spring of 1985 to protest an exhibit at New York's Museum of Modern Art. Donning their trademark gorilla masks, they grabbed the attention of the New York art establishment and protested the lack of representation of female artists.

For more information on the question and answer session, call (814) 865-0444.

BLACK HISTORY MONTH

February will be filled with commemorative, celebratory events

The following University locations have planned activities to celebrate Black History Month through out February.

Abington

■ Feb. 12, noon: "King's Dream," a live performance, multi-media presentation on Martin Luther King Jr. and the American civil rights movement, 108 Lares Building.

Altoona

■ Feb. 2: Black Student Union ski trip to Blue Knob State Park.
 ■ Feb. 4: Black church visit.
 ■ Feb. 5, 9 p.m.: "Black Love: Movie and Discussion," Slep TV Lounge.
 ■ Feb. 10, 10 p.m.: S.T.E.P. Team Masquerade Party, Slep TV Lounge.
 ■ Feb. 12, 7 p.m.: Bruce Jacobs, author of *Race Manners*, Slep TV Lounge.
 ■ Feb. 19, 7 p.m.: "More Than Stepping: Greek Letter Organizations with African-American Heritage," Oak Hall Lounge.
 ■ Feb. 27, 9 p.m.: "Interracial Dating in the New Millennium," Eve Chapel.

Beaver

■ Feb. 27, 7:30 p.m.: Bertice Berry, speaker, Study Learning Center Auditorium. Free.

Berks

■ Feb. 1, noon: K.J. James, blues guitarist, Tully's
 ■ Feb. 7, 7 p.m.: "Runoko Rashidi and the African Foundations of Humanity" Rashidi is a historian, writer and lecturer.
 ■ Feb. 21, 7:30 p.m.: Harold Bettters, jazz trombonist, Perkins Student Center Auditorium.

DuBois

■ Jan. 29-Feb. 28: The PBS video series "Eyes on the Prize" chronicling the struggle for Civil Rights in America from 1954 through the mid-1980s, will be shown in the Hiller Building Auditorium at these dates and times: Monday, Jan. 29, noon, "Ain't Scared of Your Jails," (1960-61) and 1 p.m., "No Easy Walk," (1961-63); Feb. 5, noon, "Mississippi: Is This America?" (1962-64) and 1 p.m., "Bridges to Freedom," (1965); Feb. 7, noon, "The Time Has Come," (1964-66) and 1 p.m., "Two Societies," (1965-68); Feb. 12, noon, "Power!" (1966-68) and 1 p.m., "The Promised Land," (1967-68); Feb. 19, noon, "Ain't Gonna Shuffe No More," (1964-1972); Feb. 21, noon, "A Nation of Law?" (1968-1971); Feb. 26, noon, "The Keys to the Kingdom," (1974-1980); and Feb. 28, noon, "Back to the Movement," (1979-mid 1980s).

■ Feb. 21, 7 p.m.: The Chioma Ensemble features music, poetry, mime and dance, Hiller Building Auditorium.

■ Feb. 9, 7:30 p.m.: "The Hurricane," rated R, Hiller Building Auditorium. Free to the public.
 ■ Feb. 9, noon: "The Hurricane," rated R, Hiller Building Auditorium. The event is open to campus students, faculty and staff only.
 ■ Feb. 11, 2 p.m.: "The Hurricane," rated R, Hiller Building Auditorium. Free to the public.
 ■ Feb. 23, 7:30 p.m.: "The Wood," rated R, Hiller Building Auditorium. Free to the public.
 ■ Feb. 23, noon: "The Wood," rated R, Hiller Building Auditorium. The event is open to campus students, faculty and staff only.
 ■ Feb. 25, 2 p.m.: "The Wood," rated R, Hiller Building Auditorium. Free to the public.

Great Valley

■ Feb. 21, 4 to 5 p.m.: Essay-writing contest in the Main Lobby. Local high school students were invited to write essays honoring the work of Martin Luther King Jr. The award-winning essays will be read by the authors.

Harrisburg

■ Feb. 13, noon: "King's Dream," Gallery Lounge. Free to the public.
 ■ Feb. 27, 11 a.m.: "Parallel Lives," a series of readings which examine Dauphin County's participation in the American civil rights movement. Free to the public.

Hazleton

■ Feb. 1, 8 p.m.: K. J. James, blues artist, will perform in the Slusser/Bayzick Building (Commons). Free.
 ■ Feb. 23, 8 p.m.: Harold "Mr. Trombone" Bettters, jazz musician, will perform at in the Slusser/Bayzick Building (Commons). Free.

Lehigh Valley

■ Jan. 29-Feb. 5: "Ethnic Treasures Exhibit," featuring artifacts from the 1600s to modern times, covering the pre-Civil War era, the Civil War, reconstruction, the civil rights movement and present day, in the display case area of the Academic Building. Hours are 9 a.m. to 4 p.m. Monday through Friday.
 ■ Feb. 7, 1 p.m.: "Runoko Rashidi and the African Foundations of Humanity" Rashidi is a historian, writer and lecturer.

McKeesport

■ Feb. 6, 12:15 p.m.: Jackie Wade, diversity workshop, Buck Union Building.
 ■ Feb. 7, 3 p.m.: "Malcom X," Buck Union Building.
 ■ Feb. 14, 3 p.m.: "Hurricane," Buck Union Building.
 ■ Feb. 15, 12:15 p.m.: "Metamorphosis: Strange Like Me," an interactive workshop on racial gay/lesbian and disability issues, Buck Union Building.
 ■ Feb. 21, 3 p.m.: "The Wiz," Buck Union Building.
 ■ Feb. 24, 7 p.m.: Gospel Explosion, Buck Union Building.
 ■ Feb. 28, 3 p.m.: "The Bone Collector," Buck Union Building.

Mont Alto

■ Feb. 1, 9 p.m.: Comedian Emil Johnson, Millstream Café.
 ■ Feb. 8, 8 p.m.: "King's Dream," General Studies Auditorium.
 ■ Feb. 26, 9 p.m.: Lambsbread, a reggae band, General Studies Auditorium. Free.

University Park

■ Feb. 2, noon: Andrew Jackson Sr. and The Jazz Showcase, second floor of the HUB-Robeson Center.
 ■ Feb. 2, 6 p.m.: James Turner, founding director of Cornell University's Africana Studies and Research Center, presents "African-American History in the Context of the New Millennium: Challenges for African-Americans," 113 Carnegie Building. United Soul Ensemble will perform and a buffet of ethnic food will be available. Free.
 ■ Feb. 3, 8 a.m.: "The Achievement Conference:

Sharing Our Successes in the Academic Setting," a conference to offer support for students of color at The Nittany Lion Inn. This event is presented by the Black Graduate Student Association and co-sponsored by the offices of the Vice Provost for Educational Equity and Graduate Educational Equity.

■ Feb. 4, 1 p.m.: African-American Read-In, Heritage Hall.

■ Feb. 6, 11 a.m. and 7 p.m.: "Sankofa" will be screened in Heritage Hall.
 ■ Feb. 8, 7:30 p.m.: The Loaves and Fish Traveling Repertory Company and Essence of Joy perform "God's Trombones," a tapestry of black spirituals woven with sermons, Eisenhower Auditorium. Tickets are \$20 for general admission and \$10 for students and children. Call the Arts Ticket Center at (814) 863-0255.
 ■ Feb. 9, 8 p.m.: "A Celebration of African-American Spirituals," School of Music Recital Hall. Tickets are required.

■ Feb. 10, 8 p.m.: "A Celebration of African-American Spirituals," School of Music Recital Hall. Tickets are required.

■ Feb. 11, 4 p.m.: "A Celebration of African-American Spirituals," School of Music Recital Hall. Tickets are required.

■ Feb. 12, 7 p.m.: "A Night of Live Jazz," HUB-Robeson Center.

■ Feb. 12, 7 p.m.: "Soul Food" featuring spoken word poet Taalam Acey, Heritage Hall.

■ Feb. 16, noon: "A Tribute to Jazz Musicians," the HUB-Robeson Center. The event features Andrew Jackson Sr. and friends.

■ Feb. 16, 7 p.m.: "King's Dream," a multi-media presentation, Heritage Hall.

■ Feb. 22, 7:30 p.m.: Ramona Afrika will lecture, Heritage Hall.

■ Feb. 24, 6 p.m.: Ms. Black Penn State University Pageant, Schwab Auditorium.

■ Feb. 26, 7 p.m.: "African Consciousness Celebration," a lecture by Delwyn Thomas, Heritage Hall.

■ Feb. 27, 7 p.m.: Black classic films, Heritage Hall.

■ Saturdays, 11 a.m.: African School, for school-age students, sponsored by the Penn State Black Caucus. Call 863-0047 for the location.

Wilkes-Barre

■ Feb. 14, 7 p.m.: "King's Dream," Bierly Auditorium.
 ■ Feb. 26, 11 a.m., The Hackneys, a Jamaican reggae band, Student Commons. Free.

Worthington Scranton

■ Feb. 12, 7:30 p.m.: "King's Dream," Study Learning Center.
 ■ Feb. 22, 7:30 p.m.: Harold "Mr. Trombone" Bettters, jazz musician, Study Learning Center. Free.

WPSU radio station, 91.5 FM

■ Feb. 1, 9 p.m.: "Tishomingo Blues: The Story of Composer Spencer Williams."
 ■ Feb. 9, 7 p.m.: "O Freedom Over Me."
 ■ Feb. 15, 8 p.m.: Scott Joplin's "Treemonisha."
 ■ Feb. 16, 8 p.m.: "How Race Is Lived in America: Dialogue, Reflection and Action."
 ■ Feb. 23, 7 p.m.: "Poet in Bronzeville: The Story of Gwendolyn Brooks."

York

■ Feb. 15, 7 p.m.: "King's Dream," Community Room of the Joe and Rosie Ruhl Student Community Center.
 ■ Permanent display, 8 a.m. 5 p.m.: "Black Women: Achievements Against the Odds," outside the Conference Center Main Classroom Building.



James Turner



Arts & Entertainment

Shakespeare Festival

Penn State Fayette will hold its annual Shakespeare Festival Jan. 29-31. The festival, organized by Dennis Brestensky, has been a campus tradition since 1972, and will feature drama productions, library exhibits and student projects. The schedule follows:

■ Jan. 29: "The Taming of the Shrew," a Shakespeare-in-the-Schools production, is scheduled from 12:15 to 1:15 p.m. in the Williams Building Auditorium. A question-and-answer session will follow the performance.

■ Jan. 30: A Stage Combat Demonstration, conducted by the National Players, will take the stage from 12:30 to 1:30 p.m. in the Williams Building Auditorium. As a precursor to the following night's stage performance, the audience will be given an inside view of how the actors' hand-to-hand action scenes and combat moves in a realistic and safe manner.

■ Jan. 31: As the highlight performance of the celebration, the National Players theatre group will present Shakespeare's "A Comedy of Errors" from 7 to 9 p.m. in the Williams Building Auditorium. A question-and-answer session immediately after the performance will give the audience a chance to meet the actors.

Tickets are required for the Jan. 29 and 31 performances and can be



Pat Gibboney, network support specialist in the College of Arts and Architecture, reads the entrance to the new photo show, "History Past, History Present: The Daguerreotype Portrait in America." This exhibit will be on display through May 20. For a list of additional exhibits taking place at the Palmer Museum of Art, check the Web at <http://www.psu.edu/dept/palmermuseum/special.html>.

Photo: Greg Grieco

obtained by calling Cheryl Duncan at (724) 430-4123. All other events are free to the public, and library exhibits extend to Feb. 2.

Bach's Lunch

Essence of Joy, a choir of 39 members directed by Anthony Leach,

assistant professor of music, will sing at the Bach's Lunch concert at 12:10 p.m. Thursday, Feb. 1, in the Helen Eakin Eisenhower Chapel on the University Park campus.

Essence of Joy performs sacred and secular music from the African/African-American traditions. The group also will be featured in the performance of "God's Trombones" Feb. 8 in Eisenhower Auditorium.

After the Bach's Lunch concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

A cappella music

Naturally Seven — a gospel, rhythm and blues, a cappella vocal group — will perform at 8 p.m. Thursday, Feb. 8, in the Perkins Student Center Theatre at Penn State Berks.

The group recorded its first CD, "Non-Fiction," last year after being named Regional A Cappella Champions at the New York City Regional A Cappella Harmony Sweepstakes.

Admission is free to the public. For more information, call Jeff Wakeman at (610) 396-6068.

UNIVERSITY PARK CALENDAR

January 26 - February 4

MUSIC

Thursday, February 1

Essence of Joy, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, January 26

Ray Masters on the use of computer modeling in Architecture 131, noon to 1 p.m., 141 Computer. Theodore Krichels on "Television: The Digital Divide," 4 p.m., 3D1 Steidle. Francis Bok, former Sudanese slave, will discuss his experiences, 7 p.m., 105 Forum.

Saturday, January 27

Nina Fedoroff on "Monsters or Miracles? Genetically Modified Organisms in Our Food," 11 a.m. to 12:30 p.m., 10D Thomas.

Tuesday, January 30

Ralph Engle on a subject to be announced, 3:30 p.m., 31B Osmond Laboratory. A. Catharine Ross on "Vitamin A Status: Ocular and Metabolic Determinants," 4 p.m., S209 Henderson.

"Journey to a Hate Free Millennium," a documentary by Los Angeles filmmakers Brent Scarpo and Martin Bedogne, 7:30 p.m., Schwab Auditorium.

Wednesday, January 31

Dr. James M. Walker on "Evidence Based Stroke Prevention in Patients with Atrial Fibrillation," noon to 1 p.m., 1D8 Wartik Laboratory.

*First Annual Discussion of Inclusiveness in Graduate Education," with Orlando L. Taylor, 1:30 to 2:30 p.m., Ballrooms A and B, The Nittany Lion Inn.

Timothy Eden on "High Velocity Particle Consolidation," 3:35 p.m., 114 Earth and Engineering Sciences. The Guerrilla Girls, lecture and performance, 7 p.m., Heritage Hall, HUB-Robeson Center.

Thursday, February 1

Allan E. Goodman on "I Sell Goats: The Future of Education in a Borderless World," 11:30 a.m. to 1 p.m., Ballroom, The Nittany Lion Inn. For tickets, call (814) 865-7590.

Guerrilla Girls, informal question and answer session, noon, Java Café, Visual Arts Building.

John H. Golbeck on "Quinone Substitution in Photosystem I: The Interplay Between Electron Transfer Rate and Gibbs Free Energy in Tightly Coupled Biological Systems," 12:15 p.m., S5 Osmond Laboratory.

A demonstration of "Penn State University Archives' Historic Penn State Buildings and Physical Plant Web Site," 3 to 4 p.m., 1D1 Pattee.

Michael Ouff on "The World in Eleven Dimensions," 4 p.m., 117 Osmond Laboratory.

John Tallmadge on "Meeting the Tree of Life: A Teacher's Path," 4 p.m., 1D4 Thomas.

Neil Sharkey on "A Crane, Strain and Pain: Mechanical Adaptations of the Skeleton," 4:30 p.m., 12 Walker Building.

Judi W. Wakhungu on "Going Global? Preparing for International Employment," 5:15 to 6:30 p.m., 112 Kern.

Friday, February 2

Les Lanyon on "Complexity and Community as Strategic Features of Watershed Quality Programs," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

William L. Welch Jr. on "The Bones of Rolando Kuehn: An American Physician on the Mosquito Coast," 4 p.m., 3D1 Steidle.

Saturday, February 3

Maria Mascari on "Genetic Testing: Clinical and Ethical Issues," 11 a.m. to 12:30 p.m., 1D1 Thomas.

EXHIBITS

HUB-Robeson Center

"Cultural Expressions," mixed media by Gerald Branch, through Feb. 21. "Natural Instincts," photography by Gino J. D'Angelo, through March 11.

"Congo Images," from the Matson Museum of Anthropology collection, through Feb. 28.

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Contemporary Arts and Crafts from Africa," mixed media, Jan. 3D through May 1.

Kern exhibit area

"Natural Thoughts," color photography by Rebecca Porter, through Feb. 14. "Willow Basketry," by Patricia Dillman, through Feb. 18.

"An Interlude in Giverny: The French Chevalier," by Frederick MacMonnies, through Feb. 25.

"Lego Sculptures," by Alpha O. Harrison, through April 4.

North Halls exhibit area

"Direct Address," photographs by Jason Fegone, through Feb. 28.

"Restless Metropolises," photography by Denton W. Smith Jr., through Feb. 28.

Pattee Library

"Just Beyond the Tip of the Tongue: A Literary and Extra-Literary Exhibit on Richard Wright," by Howard Ramsey II, through Feb. 28.

"The Public Poetry Project Initiated by Kim Fisher," honoring Fisher's memory, through Feb. 28.

"Celebrating Martin Luther King Jr. and Black History Month," student-designed posters, through Feb. 28. "Recent Penn State Faculty Publications," through Jan. 30.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming conference and institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Mentoring program

An information session on the Commission for Women's Mentoring Program will be held from 12:10 to 12:50 p.m. Feb. 26 in the Charles W. Mann Jr. Assembly Room of the Paterno Library on the University Park campus.

Currently in its second year, the program promotes professional development among faculty and staff by connecting them with others who can provide advice on work-related issues. Mentors and proteges are matched based on the skills and experiences they would like to share and develop.

This program is open to all full-time faculty and staff, including technical service employees. The program soon will be seeking applications for 2001-2002.

For more information, call Jillian Stevenson at (814) 863-7278 or e-mail jstevenson@psu.edu.

Shaver's Creek

Where do bears, bees and robins go during the winter? Shaver's Creek Environmental Center can help answer these, and other, questions during the Extra Junior Explorers Animals in Winter program, held from 10 to 11 a.m. Tuesday, Feb. 27, at the center.

Geared toward ages 3 to 6, the program will engage children in hands-on

activities that explain the behaviors of animals during the winter season. Shaver's Creek staff members will lead this active program tailored to meet the learning needs of young children.

The program costs \$3 for members or \$4 for nonmembers. The fee covers each child and an adult companion. Pre-registration is required.

For more information, call (814) 863-2000 or (814) 667-3424; e-mail ShaversCreek@outreach.psu.edu; or check the Web at <http://www.outreach.psu.edu/ShaversCreek/>.

Proposal deadline

The proposal deadline for the next funding period for grants offered by the Institute for the Arts and Humanistic Studies is Monday, March 1.

Proposals should be submitted by 5 p.m. to 103 Hilseng Cottage on the University Park campus. Funding for a variety of projects will be considered. The funding period runs from July through December 2001, and funds will support research and creative performance projects in and across the arts and humanities.

Proposals for individual faculty grants up to \$3,500, faculty research groups up to \$3,000 and planned programs up to \$3,000 are being accepted. Funding is open to faculty members with professorial rank and a continuing

appointment.

Guidelines can be obtained from 103 Hilseng Cottage or by calling (814) 865-0495.

Portal page online

The Penn State Alumni Association has launched its new Penn State Internet portal page. The "My Penn State" portal will allow Internet users to start their day with Penn State news and information when they log on to the Web.

The portal page is free and available to anyone who wants to be connected to Penn State. The ability to customize their start page and change content on a daily basis allows users to access the latest news from Penn State and the Alumni Association, receive weather reports, check headline news, view stock prices and more.

The page is on the Web at <http://psualum.com/>.

Space Grant Consortium

The Pennsylvania Space Grant Consortium, a NASA-funded program, is accepting applications for the Sylvia Stein Memorial Space Grant Scholarships. Two awards of \$4,000 each for the 2001-2002 academic year will be made to full-time undergraduate students who will be juniors or seniors at any campus in the fall. Women and

underrepresented minorities are especially invited to apply.

The awards will be given to students with outstanding academic records enrolled in science, engineering or mathematics. The student must be likely to pursue a career in an area of interest to NASA with demonstrated potential for graduate study.

For information and applications, check the Web at <http://www.psu.edu/spacegrant/highered/stein.html>; call (814) 863-5957, or e-mail gsr1@psu.edu.

Through a separate program, the consortium also will award fellowships totaling \$115,000 to graduate students. Supplemental stipends of \$5,000 per year for two years will be awarded to 23 students as new or continuing awards.

Fellowships will be awarded to outstanding students in fields of study that do, or can, promote the understanding, assessment and utilization of space or the NASA Strategic Enterprises. Fields of study in most departments are eligible.

The deadline for applications is Feb. 15. For more information or an application, check the Web at <http://www.psu.edu/spacegrant/highered/fellowship.html>; call The Pennsylvania Space Grant Consortium office at (814) 863-5957, or e-mail gsr1@psu.edu.

Learning the ropes



Kris Edson, center, shows Mark Trautman, left, how to tie a specific knot by practicing on a bike rack behind Old Main while Ryan Greeley waits, right. The old elm in the background is being removed. The bare area will then be the site of a new planting in the spring.

Photo: Greg Grieco

COURSES

Health Matters

To register for or learn more about this free program at the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohz.psu.edu/web/Classic/catalog/healthmatters.cfm>

■ Healthy Parenting — WEL 232

Learn and discuss the "trade secrets" of healthy parenting. Some key topics discussed will be discipline, TV watching and the importance of socialization for the family members. Meets 11:30 a.m. to 12:30 p.m. Tuesday, Jan. 30, in The Living Center, 110 Henderson Building.

HRDC

■ Tips for Working with the Media

Effective media interviewing techniques, including practical tips and strategies on answering difficult questions and understanding media needs, is the focus of this free seminar sponsored jointly by the Human Resources Development Center and the Department of Public Information. The seminar is scheduled from 1:30 to 3:30 p.m. Tuesday, Feb. 20, in 3 Bryce Jordan Center, University Park. Register in advance by calling (814) 865-8216.



Awards

Three faculty members receive NSF awards

Two faculty members of the Department of Materials Science and Engineering in the College of Earth and Mineral Sciences, and one faculty member from the Eberly College of Science have earned awards from the National Science Foundation (NSF).

Philip Bevilacqua, assistant professor of chemistry, has received a Faculty Early Career Development Award. The award, which the agency describes as its highest honor for new faculty, provides five years of funding to stimulate the early development of academic careers in science and engineering and to support the critical roles played by faculty members in integrating research and education.

Venkatraman Gopalan, assistant professor of materials science and engineering with the Materials Research Laboratory, and Zi-Kui Liu, assistant professor of materials science and engineering, have each earned four years of funding for focused research and teaching projects through the NSF Faculty Career Development Award program.

Bevilacqua's award will help to support an area of research in which he plans to identify selected RNAs by cloning and sequencing, and to study their structure and function.

Along with the research itself, Bevilacqua's plans include two outreach



Philip Bevilacqua



Venkatraman Gopalan



Zi-Kui Liu

efforts. One involves the continuing development of a graduate course on the chemistry of nucleic acids. Collaborators with that effort include the Life Sciences Consortium and Michael Fried, associate professor of biological chemistry.

Gopalan is performing real-time studies of domain dynamics in ferroelectrics for photonic applications. He and his research group will investigate the structure and dynamics of individual domain walls in ferroelectrics using a range of probing techniques. The group seeks to break new ground in understanding the nucleation, growth and merger dynamics of domains on nanometer length scales and microsecond time scales.

Liu is concentrating on "Integrated Teaching and Research Activities on Computational Thermodynamics and Systems Materials Design of Magnesium Alloys." The research goal research is to combine thermodynamic calculations with phase transformation calculations to design energy efficient and environmentally friendly magnesium alloys with tailored properties for the automotive industry. Unlike the approach used for classical alloys, Liu's approach first designs the alloys using computer models.

Johnson serves as a traditional student admissions counselor working with high school and homeschooled students; Sabatelli works with traditional-aged students; and Ridgley operates the Adult Learner Center involving non-traditional student admissions. The center provides "one-stop-shopping" for adults as they move into college.

study at Sloan Industry Centers located at leading universities in the United States, each devoted to a particular industry. Beatty will study at the Wharton Financial Institutions Center at the University of Pennsylvania. Her primary area of research focuses on the importance of accounting information for financial institutions.

Professor receives Sloan Center Fellowship

The New York-based Alfred P. Sloan Foundation has named Anne L. Beatty, associate professor of accounting and PricewaterhouseCoopers Faculty Fellow in The Smol College of Business Administration, as a recipient of a Sloan Industry Center Fellowship.

The Sloan Industry Centers Fellowships enable academic scholars to

Rich Yahner voted the Bellis Award winner

Rich Yahner, associate dean of The Graduate School and professor of wildlife conservation, was voted by students and faculty as the 2000 recipient of the Edward D. Bellis Award in Ecology.

This award goes to a faculty member who makes outstanding contributions to the training of graduate students in the Intercollegiate Graduate Degree Program in Ecology.

Hammer and chisel



Chuck Greenland of Greenland Masonry works installing a new wall and hand rail on the North Side of Eisenhower Auditorium on the University Park campus.

Photo: Greg Grieco

NEW AT PENN STATE

Solar rooftop system to be installed at Delaware County

A solar rooftop system will be installed on top of the Main Building of Penn State Delaware County, compliments of Clean Air Council and Connectiv Energy. This is the first program of its kind in Pennsylvania and it gives Penn State Delaware County, along with more than 20 other schools, the opportunity to benefit from solar power without having to purchase a system on limited school budgets.

The solar rooftop system comes with curriculum support, drawing on national programs. The system also will be monitored through the Internet so students can see and study the relationships among the sun, the environment and energy. The system and its operation can be incorporated into sciences and/or engineering courses at the campus.

For more information, call (610) 892-1211.

Delaware County gets expanded Internet access

Wireless technology is nothing new at Penn State Delaware County. There has been a wireless computer lab for more than two-and-a-half years at the campus. What is new is that Internet access is now available to all Penn State Delaware County students who own notebook computers.

Students will be able to get e-mail, browse the Web and print to campus printers from the student lounge of the Classroom Building and the main floor of the John Vairo Library.

In addition, plans are to provide wireless coverage to the entire campus by the end of spring semester.

For more information, call (610) 892-1214.

Director sought for arts and humanistic studies institute

Nominations and applications are being sought for director of the Institute of the Arts and Humanistic Studies to begin a three-year term July 1.

Any faculty members tenured in the College of the Liberal Arts or the College of Arts and Architecture as of July 1 are eligible to apply. Nominees or applicants should present a strong scholarly or creative record, evidence of broad interests that encompass the

arts and humanities, a cogent vision of the interdisciplinary potential of the Institute and the imagination and energy to make this vision a reality.

Send letters of nominations or application and vitae to Don Bialostosky, chair of the Search Committee for IAH Director, in care of Cathy Thompson, 116 Sparks Building.

For information, e-mail cthom pson@psu.edu.

FROM THE TRUSTEE DOCKET



This ground view rendering of the new Information Sciences and Technology Building shows how it would look as viewed from Noll Lab and Burrows Road.

Diversity report presented to board

Nearly half of Penn State's minority student population is at campuses other than University Park, with the highest percentages at Penn State Abington and Penn State Delaware County.

The Board of Trustees on Jan. 19 heard a report on racial and ethnic diversity at campus college locations from W. Terrell Jones, vice provost for educational equity and affiliate professor of counselor education and African and African-American studies.

For the full story by Amy Neil, check the Web at <http://www.psu.edu/ur/2001/19jan01btdiversity.html>.

Business dean announces changes in MBA program

The phrase, "this is not your father's Oldsmobile," applies well to The Smeal College of Business Administration, as the dean outlined a vision for the future of the college to the Board.

Dean Judy Olian noted that Smeal College is taking a proactive role in shaping business practice, and is positioning itself as a leader in preparing graduates for tomorrow's converging economies.

For more on this story by Steve Infanti, check the Web at <http://www.psu.edu/ur/2001/19jan01btolitan.html>.

Board approves plans for new IST building

The trustees approved sketch/preliminary plans for a new building for the University's School of Information Sciences and Technology (IST) at University Park. The building's unique design is the work of Rafael Viñoly/Perfido Weiskopf Joint Venture of New York City and Pittsburgh.

For the full story, check the Web at <http://www.psu.edu/ur/2001/19jan01btotist.html>.

West Campus housing plan meets approval

The board took action Jan. 19 to meet the growing demand for on-campus family and graduate student housing, it approved final plans and gave authorization to obtain bids and award contracts for a complex of new housing on the West Campus that will include 75 four-bedroom apartments, 124 units of family housing and 379 parking spaces. This plan is a slight revision of the plan first approved by the Board last May.

For the full story, check the Web at <http://www.psu.edu/ur/2001/19jan01bthousing.html>.

Architect named for architecture building

The University Park Master Plan proposes to relocate the School of Architecture and Landscape Architecture

from the Engineering Units to a new building between the Palmer Museum and North Halls, close to other College of Arts and Architecture buildings.

The board approved the appointment of Overland Partners of San Antonio, Texas, and WTW of Pittsburgh to be architects for the proposed 110,193-gross-square-foot building, which will include classrooms, office space and state-of-the-art studios.

For the full story, check the Web at <http://www.psu.edu/ur/2001/19jan01btolsala.html>.

Chemistry, life sciences building plans get OK

The board approved final plans for a new chemistry building and a new life sciences building, both off Shortlidge Road. The design of the two buildings includes a physical connection at upper-floor levels, to facilitate collaborative research activities in the two buildings. The board also approved authorizing bids and awarding contracts for the life sciences building.

For the full story, check the Web at <http://www.psu.edu/ur/2001/19jan01btchemlifesci.html>.

Land lease, sale meet acceptance

Gov. Tom Ridge recently announced the release of \$5.6 million to the Pennsylvania Department of Agriculture (PDA) for the construction of a new

Pennsylvania Livestock Evaluation Center. PDA seeks to build a larger facility at the University's Russell E. Larson Agricultural Center at Rock Springs.

The board also approved the sale of a .09-acre piece of property about three blocks from Penn State Erie.

For the full story, check the Web at <http://www.psu.edu/ur/2001/19jan01btodaerie.html>.

Two to receive honorary degrees

The trustees approved the granting of honorary degrees to Lucent Technologies chairman and chief executive officer Henry B. Schacht and Argonne National Laboratory former chief executive officer Alan Schriesheim.

For the full story, check the Web at <http://www.psu.edu/ur/2001/19jan01btodegree.html>.

Hintz elected chairman; Baldwin named vice-chair

Edward R. Hintz, president of the New York-based private money management firm Hintz, Holman and Heckscher Inc., and Cynthia Baldwin, judge in the Allegheny County Court of Common Pleas, were elected chairman and vice chairman, respectively, of the Board of Trustees on Jan. 19.

For the full story, check the Web at <http://www.psu.edu/ur/2001/19jan01btobaldwin.html>.

APPOINTMENT

Housing and Residence Life appoints Gail Hurley as its new director; position brings leadership to two departments

Gail Hurley has been appointed as the new director of Housing and Residence Life. This position was created to bring central leadership to the two departments with reporting lines directly to the vice president for Student Affairs and the assistant vice president for Auxiliary and Business Services.

Hurley will be responsible for a housing system at University Park of more than 12,000 residents and a

residence life program that spans nine campus locations. She will oversee the management of residence buildings, laundry services, special interest housing and resident programs.

Hurley has been the director of Residence Life since 1984. In 1997, she was appointed as the assistant to the vice president for Student Affairs, serving as liaison to Student Affairs directors at 19 campus

locations. From September 1996 through May 1997 she was an intern to the senior vice president for finance and business/treasurer as part of the Administrative Fellow program.

Hurley holds a bachelor's degree in Spanish secondary education from Westminster College and a master's degree in college student personnel from Bowling Green State University.



Penn Staters

The Counseling Psychology Program in the department of counselor education, counseling psychology and rehabilitation services received the Stuin Multicultural Achievement Award at the 2000 American Psychological Association annual meeting. **Beverly Vandiver, Bob Slaney, Jeff Hayes and Kathy Bieschke** accepted a sculpture in honor of the achievement. Bieschke also received the Fritz and Linn Kuder Award from Division 17 of the association.

Several extension members received awards at the 2000 National Epsilon Sigma Phi Professional Conference in Salt Lake City. **Cathy Bowen**, assistant professor of agricultural and extension education, received a gold award for Outstanding Programs of Excellence. **Marilyn Corbin**, state program leader for children, youth and families; **Claudia Mincemeyer**, assistant professor of agricultural and extension education; **Jack Watson**, state program leader for agriculture and natural resources; and **Jan Scholl**, associate professor in agricultural and extension education, won silver awards for Outstanding Programs of Excellence. **Fay Strickler**, senior extension agent in Berks County, was elected president-elect of National Epsilon Sigma Phi. Newly elected officers for Pennsylvania Chapter Alpha Omicron of Epsilon Sigma Phi include Mincemeyer, president; **Nancy Crago**, senior extension agent in Allegheny County, vice president; **Duane Stevenson**, extension agent in Schuylkill County, secretary; and **Nancy Stevens**, senior extension agent in Montgomery County, treasurer.

Milton Cole, distinguished professor of physics, has been selected as the recipient of the 2001 National Academy of Sciences Award for Scientific Reviewing. He was honored for his reviews and a monograph, which have critically assessed and inspired novel research concerning electrons and films at surfaces in the field of materials science.

Alan Cameron, professor of entomology, presented an invited paper on "Management vs. Mitigation of Damage: Can We Do Better in the 21st Century?" as the capstone presentation in the symposium, "Management of Forest Defoliators in the 21st Century," at the recent 20th International Congress of Entomology in Iguaçu Falls, Brazil.

Anthony Cutler, research professor of art history, delivered the plenary paper, "Diverting the Current: The Impact of Sense Perception on the Course of Byzantine Art," at an interdisciplinary congress at the National Institute for Research in Athens, Greece. The theme of the congress was "The Development of the Senses and Personal Feeling in Byzantium, 11th-15th Centuries."

The Daily Collegian, the student newspaper at University Park, earned three awards at the National College Media

Convention. The paper won the 2000 College Media Advisers Diversity Award for both its diversity within the organization and the quality of diversity issues covered; the 1999-2000 News paper Finalist Award for "recognition of general excellence and outstanding achievement in a college newspaper in a national competition;" and the 2000 U-Wire Savvy Award for excellence in college newspaper Web sites. U-Wire is a syndicated wire service for college newspapers. The convention was sponsored by the Associated Collegiate Press and College Media Advisers.

Chitaranjan Das, professor of computer science and engineering, has been elected a Fellow of the Institute of Electrical and Electronic Engineers. The trade of Fellows is conferred upon individuals who have made important contributions in the field of electrical and information technologies and sciences. Das was honored for his contributions to the dependability and performance evaluation of multiprocessor interconnection networks.

Gordon F. De Jong, distinguished professor of sociology and demography and director of the graduate program in demography, presented a lecture on "Expectations, Gender and Norms in Migration Decision-Making," and developed a collaborative research project on internal migration with the researchers of the Population and Development Program of the Government of South Africa's Human Sciences Research Council, Pretoria, South Africa.

Henry Giroux, Waterbury Chair professor in secondary education in the College of Education, has been named the 2001 recipient of the Faculty of Humanities' H.L. Hooker Distinguished Visiting Professor Award at McMaster University, Canada.

William L. Grenoble, executive director and senior research associate for the Center for Logistics Research in the Smeal College of Business Administration, has been elected as Education Chair of the Supply Chain Council Inc. The council, which is based in Pittsburgh, is a not-for-profit, trade association organized to serve the interests of companies wishing to improve their competitiveness by implementing best practice supply-chain management techniques.

Patreese Ingram, assistant professor of agricultural and extension education in the College of Agricultural Sciences, received the USDA Cooperative State Research, Education and Extension Service's National Annual Award for Diversity for her leadership in diversity education. Ingram's programs are designed to increase people's awareness and appreciation of differences, as well as their ability to communicate

and relate effectively with diverse populations. The National Diversity Award is sponsored by the Subcommittee on Extension Diversity, a national subcommittee of the Personnel and Organization Development Committee of the Cooperative State Research, Education and Extension Service.

Akhlesh Lakhtakia, professor of engineering science and mechanics, delivered an invited lecture, "Sculptured thin films and bioluminescence sensors," at ELECTRO-2001, a Symposium on Advances in Electronics, held at Banaras Hindu University, Varanasi, India. He also delivered a seminar, "Sculptured thin films for optoelectronics and sensors," at the Indian Institute of Remote Sensing, Dehra Dun, India.

Peter Mészáros, distinguished professor and head of the Department of Astronomy and Astrophysics, presented the 2001 Bruno Rossi Prize lecture, titled "Gamma-Ray Bursts: Origins and Consequences," at the annual meeting of the American Astronomical Society in San Diego. Mészáros was one of three astrophysicists jointly awarded this year's Bruno Rossi Prize by the High Energy Astrophysics Division of the Society. Mészáros and his colleagues, Bohdan Paczynski of Princeton University and Martin Rees of the Royal Observatory in England, were honored for their development of theoretical models of gamma-ray bursts years before observational scientists had adequate tools to study the phenomena.

The University's advising publication, *The Mentor: An Academic Advising Journal*, <http://www.psu.edu/aus/mentor>, has received an Outstanding Publication Award in the electronic category from the National Academic Advising Association. This award was accepted by **Michael Leonard and Diane Greenfield** during the association's national conference in Orlando, Fla. The publication was selected as one of 21 publications in competition.

Barbara Pennypacker, associate professor of agronomy, gave an invited talk on "A Regulatory Role for Carbon Flux in Quantitative Resistance" at the "Durable Resistance: Key to Sustainable Agriculture Symposium" in Wageningen, The Netherlands.

James H. Ryan, vice president for Outreach and Cooperative Extension, has been elected to serve a two-year term on the board of directors of the Pennsylvania Chamber of Business and Industry. Ryan is the only representative of Pennsylvania's four-year and graduate universities to serve on the board this term.

Earle Ryba, associate professor of metallurgy, was an invited co-instructor for the International Centre for Diffraction

Data's Workshop on X-ray Powder Diffraction at the Seventh Latin-American Seminar on Analysis for X-ray Technicians in Sao Pedro, Brazil.

Jan Scholl, associate professor in agricultural and extension education, presented the paper "Curriculum Materials to Help Young People Rent their First Home" at the European Conference "Home Economics in the New Millennium" at the University College of Akerhus in Baerum, Norway.

The School of Nursing in the College of Health and Human Development received the 2000 Award for Exceptional Baccalaureate Curriculum in Gerontology Nursing, presented by the John A. Hartford Foundation Institute for Geriatric Nursing at New York University (Hartford Institute) in collaboration with the American Association of Colleges of Nursing.

Susan Clare Scott, assistant professor of art history, attended the international conference of the British Society for 18th-Century Studies, held at St. John's College of Oxford University in England. She presented a paper, "The Chinese Scholar's Pavilion in the 18th Century: From Philosophical Topos to Decoration," for a conference session titled, "East and West Interchanges."

Victor W. Sparrow, associate professor of acoustics, was elected to a three-year term on the board of directors of the Institute of Noise Control Engineering, a nonprofit professional organization dedicated to promoting engineering solutions to environmental noise problems.

Don Thompson, professor of food science, gave invited presentations at the University of Hong Kong and the East China University of Science and Technology. In addition, he and **Ramaswamy Anantheshwar**, associate professor of food science, presented talks at the Fourth International Conference of Food Science and Technology in Wuxi, China.

Brent Wilson, professor of art education in the School of Visual Arts, gave the keynote address at the Asia-Pacific Art Education Conference, "Regional Experiences and Prospects in the New Century." The conference was held in the Hong Kong Institute of Education and the Hong Kong Heritage Museum.

James Ziegenfuss, professor of management and health care systems at Penn State Harrisburg, was recently awarded the second prize in an international monograph competition. The competition was part of the 14th conference in Santo Domingo, Dominican Republic, organized by the Center for Latin American Development in Venezuela and was sponsored by 25 nations, the United Nations and other groups.



Focus on Research

Declining birth rates may bring about stability in sub-Saharan Africa

Recent birth rate declines in sub-Saharan Africa, especially in cities, may signal the first small, tapering steps toward a balanced population, adequate food supplies and relative economic stability, a University Park study found.

"Population growth in sub-Saharan Africa is currently about 3 percent per year," said David Shapiro, professor of economics, demography and women's studies. "This is expected to decline as fertility falls, but recent U.N. projections suggest that by the year 2050, the population of the region will increase from its current level of about 650 million to somewhere between 1.5 and 2 billion. The level of fertility that we see in the coming years will have crucial repercussions not just for the African, but also for the global economy."

Until the late 1980s, Africa south of the Sahara Desert—including such countries as Uganda, Rwanda, Ethiopia and Nigeria—was the only major world region where fertility rates remained high and showed no signs of falling. In terms of human fertility, sub-Saharan Africa was then at a stage similar to that of most of Europe a century ago, with a wide gap between declining death rates and persistently high birth rates, according to Shapiro, also a research associate with the University's Population Research Institute. However, the gap was distinctly wider for sub-Saharan Africa, translating into much more rapid population growth. During the past decade, this situation has changed significantly, with fertility rates decreasing throughout much of sub-Saharan Africa, especially urban areas. The causes, all facilitated by urbanization, are fourfold: declining infant and child mortality, higher educational levels, delayed marriage or cohabitation and increased use of contraceptives, Shapiro said.

The slowing of population growth should facilitate economic development, making for better use of the region's human and natural resources, he added. This has implications worldwide, mean-



David Shapiro, professor of economics, demography and women's studies, has co-authored a study on the declining fertility rates in rural and urban sub-Saharan Africa.

Photo: Greg Greco

ing that sub-Saharan Africa can start to become a full-fledged economic bloc in its own right, providing mass markets for U.S. goods and requiring less aid from the industrialized powers. Shapiro co-authored a paper on the subject with B. Oleko Tambashe, research associate professor of international health and development at Tulane University.

"A fertility rate of about 2.7 children per family is necessary to maintain the population at a zero growth rate in sub-Saharan Africa," Shapiro said. "Among the 25 sub-Saharan countries where demographic and health surveys have been taken, totals from all surveys reveal an average fertility rate of 6.6 children per family in rural districts and 4.8 children in urban districts. This is still very far from reaching population stability."

During the 1990s, however, fertility rates began an unprecedented decline. In Kenya, the fertility rate nationwide fell

from 6.7 children per family in 1989 to 4.7 in 1998. Other sub-Saharan countries showed drops, too.

Shapiro noted that the fertility rate decline was most pronounced in urban areas. "This was particularly true in capital cities, where fertility rates in Kenya and Togo are in fact approaching the replacement level. Birth rates are beginning to fall even in rural areas for a number of sub-Saharan countries," he said.

The researcher predicted the trend likely would be permanent. He traced it to urbanization and related socioeconomic changes.

"The levels of education in sub-Saharan Africa have improved for urban and rural dwellers alike, but particularly for city residents," Shapiro said. "Because education is more accessible in the cities, urban dwellers often make the decision to have fewer children but provide the children they have with more schooling."

ALS patients' quality of life not related to physical strength

Researchers from The College of Medicine at Hershey report that quality of life (QOL) assessments in patients with amyotrophic lateral sclerosis reveal that quality of life does not correlate with physical function, but rather appears to depend on psychological factors, spiritual factors and support systems.

"It was clear from the responses that patients' quality of life depended on things like the perception of purpose and the meaning of life," said Zachary Simmons, associate professor of medicine and orthopedics and rehabilitation at The College of Medicine and director of the ALS Clinic at The Milton S. Hershey Medical Center. "This is a strong message to all of us that we should not assume that these patients have a poor (quality of life) simply because they are physically debilitated."

This was a prospective study of consecutive patients seen at the Hershey Medical Center ALS clinic. Ninety-six patients were enrolled in the study with patients ranging in age from 23 to 80.

ALS is also known as Lou Gehrig's disease and is named after the baseball player who died of it. It is a neurologic disorder that affects about 30,000 people in the United States. Its cause remains unknown and there is no cure.

Simmons and his team used a variety of standardized testing for muscle strength and physical function as well as QOL questionnaires. The average patient rated QOL as greater than 7 on a scale of 1 to 10. Fifty-three percent of patients rated QOL as 8 or greater, this despite muscle strength and function ratings that were often quite low.

"The generally high patient assessment of QOL was striking, despite the presence of a terminal illness and decreased measures of strength and function in many patients," Simmons reported.

Clinical trial at College of Medicine tests new drug therapy for hepatitis C patients

Researchers at The Milton S. Hershey Medical Center are involved in a clinical trial that will test a new therapy for patients with hepatitis C.

The standard treatment for hepatitis C is three injections per week with Interferon and, by mouth, the drug Ribavirin. This new investigational drug is essentially a long-acting form of Interferon that will require only one injection per week," explained principal investigator Thomas J. McGarry, professor of medicine at The College of Medicine and a gastroenterologist at The Milton

S. Hershey Medical Center. "We believe this new form of Interferon stays in the blood longer at a high steady level which will be more effective."

About 200 patients will be enrolled. Including Hershey, there are seven Pennsylvania sites testing the drug.

"We think the virus might actually have a chance to recover with several shots per week," McGarry said. "With this long-lasting therapy, there will be fewer peaks and valleys and hopefully no time for the virus to recover. The treatment will last for one year."

Patients will undergo a blood test six months following completion of treatment. If they are free of virus at that time, McGarry said it is very unlikely the virus would return at all.

It is estimated that 4 million people in the United States may have hepatitis C. Many are baby boomers who experienced with drug use in the '60s.

"We know that intravenous drug use and having a blood transfusion prior to 1990 are two of the main causes of the disease," McGarry said. "People who were infected 20 or 30

years ago are the patients we are seeing today. The disease is very hard to detect because often there are no symptoms for decades."

Hepatitis is an inflammation of the liver, the organ that eliminates toxins and is important in metabolism. Hepatitis C is now the No. 1 reason people need a liver transplant. The disease also can cause liver cancer. Many in the health-care field have termed the situation an epidemic because hepatitis C is expected to kill more Americans in the next 20 or 30 years than AIDS.

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Marching to remember



State College Mayor Bill Welch, right, joined President Graham B. Spanier in leading the Civil Rights Commemorative March on the University Park campus Jan. 17. The march started at Old Main, seen in the background, and ended at the HUB-Robeson Center. It was one of several activities held University-wide last week in honor of Martin Luther King Jr.

Photo: Greg Grieco

New report promotes increase in community-based university scholarship

According to a new study by the American Council on Education, a majority of Americans believes that colleges should play an active role in their communities. Ninety-five percent of survey respondents said such activities are extremely or somewhat important to them.

The question facing many colleges and universities is how to compare university outreach programs to the faculty's traditional courses and publications in order to recognize and reward faculty who produce community-based scholarship.

At Penn State, the University Scholarship and Criteria for Outreach and Performance Evaluation (UniSCOPE) learning community has been studying community-based, outreach scholarship since 1998. The group, composed of faculty and administrators from throughout the University, began by examining the full range of faculty scholarship in order to determine the place of outreach within faculty activities. UniSCOPE recently developed a model for increasing faculty recognition for these activities and promoting greater participation in community-based scholarship. They released an online version of the report of their findings and recommendations earlier this year.

Drew Hyman, professor of public policy and community systems, serves as chair of the UniSCOPE learning community. Hyman explained that the goal of UniSCOPE "is to provide a framework for creating an equitable system for recognizing and rewarding the full range of university scholarship. UniSCOPE puts different forms of scholarship into a common context and provides a framework through which everyone throughout the University system can view and develop criteria for comparing the different forms of scholarship."

Hyman said, "The intent of UniSCOPE is not to say that we shouldn't be doing traditional forms of scholarship, but to recognize that other rigorous academic work is being done at the University and each type should be recognized equitably for its primary product. We hope that UniSCOPE will precipitate a University-wide and nationwide process leading to greater recognition of applied work, continuing education, Cooperative Extension, technology transfer, creative works in the media, distance education and other forms of outreach scholarship for their own inherent results. The end result would be a more vibrant and diverse University and

more engaged and effective faculty."

The UniSCOPE report is titled "UniSCOPE 2000: A Multidimensional Model of Scholarship for the 21st Century: UniSCOPE Learning Community Challenge to the Penn State Community of Scholars. A copy of the UniSCOPE report may be downloaded from the Web at <http://www.outreach.psu.edu/News/Pubs/uniscope.html> or at <http://Keystone21.cas.psu.edu/UniSCOPE/>.

The report establishes what it calls "a multidimensional model that conceptualizes each of the three mission areas of the University — teaching, research and service — as the forms of scholarship." By examining the many dimensions of faculty work, including a variety of functions, audiences and media for delivery, the report helps faculty and administrators to recognize, compare and evaluate the product and impact of various activities, including outreach and community-based programs.

The UniSCOPE learning community is supported by the Keystone 21 project, a partnership among the College of Agricultural Sciences, all 24 campus locations, Cheyney University of Pennsylvania and the Rodale Institute Experimental Farm.



Intercom

INFORMING THE PENN STATE COMMUNITY

FEBRUARY 1, 2001

University receives \$6 million to create family literacy institute

As part of a substantial educational spending bill signed by President Clinton in December, the College of Education will receive \$6 million to establish the Institute for Research in Family Literacy at Penn State — an initiative spearheaded by U.S. Rep. William F. Goodling (R-Jacobus). In his honor, it will be named the Goodling Institute for Research in Family Literacy.

Goodling recently retired from the U.S. House of Representatives, where he had been a champion of education programs.

The University was selected as the site for the institute based on its long-term commitment to quality literacy programming. The College of Education already is home to the Institute for the Study of Adult Literacy, and the two institutes will collaborate to develop and publish course materials and one or more courses in family literacy to be offered through the World Campus.

The Goodling Institute also will collaborate with the National Center for Family Literacy, based in Louisville, Ky., to provide high-quality, research-based instruction and programs in family literacy, as well as a certificate program with credits applicable toward a

Penn State master's degree in adult education or early childhood education. The Goodling Institute will be housed at the University Park and York campuses.

Pennsylvania is a national leader in family literacy and one of only a few states to offer such programs on a statewide basis with support from both federal and state funds. Barbara Van Horn, senior research assistant in the Institute for the Study of Adult Literacy, and Nickie Askov, professor of adult education and director of the Institute for the Study of Adult Literacy, are co-directors of the new institute.

Innovative approach leads to better learning

BY ALAN JANESECH
Public Information

When Michele Daughenbaugh's first-graders study magnetism in their science class at Park Forest Elementary School, they're not just reading about the properties of magnets in an old textbook. They perform experiments, write down what they observe, form hypotheses and draw conclusions — and they really get it.

"After the classes they tell me how magnets attract and repel, and all about the Earth's magnetic force, and they're not just repeating my own words back to me," said Daughenbaugh, a recent Penn State graduate. Where did Daughenbaugh learn to teach like this — combining pertinent hands-on activities with ample time for the kids to reflect on and write about their experiences? In Carla Zembat-Saul's class, a course called Science Education 458, Teaching Science in the Elementary Schools.

Daughenbaugh was taking the course as part of the Professional Development School (PDS), a partnership of the College of Education and the State College Area School District, which provides yearlong teaching internships in district elementary schools.

"Carla," said Daughenbaugh, "did a wonderful job showing us how to teach children in this way. We did experiments (with first- and second-grade classes, through the PDS internships), and she helped us determine what kinds of activities the children responded to. It was a great learning experi-



Michele Daughenbaugh uses techniques she learned at Penn State to engage her Park Forest Elementary School first-graders.

Photo: Greg Grieco

Four universities form alliance for distance education

CELENA E. KUSCH
Outreach Communications

Four major universities with a tradition of leadership in distance education have formed an alliance to facilitate development of their online distance learning capabilities.

The University of California, Berkeley, University Extension; Penn State's World Campus; the University of Washington; and the University of Wisconsin's Learning Innovations have agreed to work together to advance online learning practices at their institutions. Together, the institutions offer 500 online distance education courses in a broad range of curricula.

Alliance, page 3

Grand Destiny welcomes new chair

BY ANNE DANAHY
University Relations

The Grand Destiny capital campaign has a new chair in Jim Broadhurst, a 1965 Penn State graduate and chairman and CEO of Pittsburgh-based Eat'n Park Hospitality Group Inc. Broadhurst currently heads the Pittsburgh region of the campaign.

Broadhurst's predecessor, Edward R. Hintz, stepped down from his campaign leadership post to serve as chair of the University's Board of Trustees. The

Grand Destiny, page 2

Learning

Continued from page 1

ence, both for me and for my (elementary school) students."

One of the crucial elements of Zemba-Saul's innovative approach is the Web-based "teaching portfolios" her students create for the course. In these online journals, the students provide biographical information about themselves, assemble course materials, describe hands-on science activities in the grade-school classrooms (often incorporating graphics, photos and sometimes video), cite pertinent journal articles on teaching and outline their own emerging teaching philosophies. Then, throughout the year, the students use what they learn through their teaching experiences in the elementary schools to refine their philosophies and make them work better in the real world of elementary education.

As the students make claims about teaching and learning, create evidence-based arguments to support their claims and then evaluate their arguments over time, many find their positions shifting.

"Many prospective teachers enter into the program recognizing the importance of hands-on activities in science," said Zemba-Saul. "However, hands-on activities do not necessarily result in meaningful learning. One of the main goals of the course is to help education students consider ways to engage children cognitively and conceptually, too — with 'minds-on' activities as well as the physical engagement of hands-on activities. Combining the two approaches is more likely to result in meaningful learning."

What many of her students want initially "is a bag of tricks," said Zemba-Saul — "a set of teaching tools that will result in learning under any circumstances." But through Zemba-Saul's seminar, they realize that good teaching requires hard thinking and tough choices about what works and what doesn't.

Zemba-Saul's work with Web-based portfolios has attracted attention across the University Park campus, in particular in the College of Earth and Mineral Sciences (EMS), the School for Information Science and Technology (IST) Solutions Institute, the Schreyer Honors College, the Schreyer Institute for Innovation in Learning and the Teaching and Learning Center.

David DiBiase, director of the e-Education Institute in EMS, said that Zemba-Saul's work is special because it is grounded in educational research, and notes the many potential benefits of students working with Web-based portfolios.

In addition to the reflective approach it helps students take to their own work, said DiBiase, "there is the idea of information literacy: They gain by portraying their work online. There also are benefits to the University as a whole of having our students



Carla Zemba-Saul, assistant professor in the College of Education, has her students compile "teaching portfolios," which help them to scrutinize and revise their ideas of what works in the classroom.

Photo: Greg Grieco

express in their own words and deeds how the University adds value to their studies — to legislators, to parents, to all the people who wonder exactly what our faculty do for their students."

Larry Spence, a senior associate at the Schreyer Institute, said that having students prepare portfolios "interrupts the learning and occasions scrutiny. By having to demonstrate what they have learned and document it, students become reflective practitioners. That prepares them for the lifetime of learning demanded by an information-driven society."

From the IST's perspective, said Fred Loomis, "students need to be able to demonstrate that they have mastered the competencies we're teaching in the classroom. We take a problem-based learning approach, with students working on teams and collaborating on group projects." Loomis is director of IST's Solutions Institute, created in 1999 as a source of expertise on key issues in the information age, such as workforce development, learning in the e-classroom, career planning and policymaking.

"As the students are completing their course projects," Loomis continues, "they're also building electronic portfolios that demonstrate to prospective employers exactly what they're capable of perform-

ing. By the time they graduate, they can have a complete portfolio — not just a resume, but a clearly defined set of experiences and competencies they can present to prospective employers."

Daughenbaugh's experiences in Zemba-Saul's seminar lend credence to these comments. Using the Web to document her experiences, rather than a more traditional, linear, paper portfolio, enabled her to concentrate on the concepts of the class and to incorporate graphics much more easily than she could have in a standard scrapbook-style portfolio. "Putting it all together on the Web page and looking at it as a whole, I was able to better reflect on my teaching and see what I could improve on — what went well, what the different children responded to, and what they got out of it," Daughenbaugh recalls.

"In my earlier field experiences, I would be out at Wal-Mart at 10 o'clock at night, trying to find the right kind of paper for the background (of a traditional portfolio). Or maybe I'd be looking for stickers, or glitter. With the Web-based portfolio, it's so easy to click in a picture or put in a video clip — you have more of an opportunity to sit down and really think about the words you want to use."

Grand Destiny

Continued from page 1

Trustees elected Hintz chair at their Jan. 19 meeting.

The campaign, which supports students, faculty, academic programs and other University needs, began in 1996 and is scheduled to run until June 30, 2003. As of Dec. 31, gifts and pledges totaled \$875 million. As chair, Broadhurst will spearhead its next leg.

Broadhurst and his wife, Suzy Broadhurst, a 1966 graduate of the College of Education, have a long history of being involved with the University and supporting the Grand Destiny campaign. Jim Broadhurst is a University Trustee. He also is a member of the campaign



Jim Broadhurst

in the College of Health and Human Development. That part of the gift helps Eat'n Park employees participate in a

steering committee.

Together, the Broadhursts established an endowment in 1998 to create scholarships in their colleges — liberal arts and education — and to support distance education

distance education program for the associate degree in Hotel, Restaurant and Institutional Management.

The Broadhursts and Eat'n Park also made a leadership gift to support the construction of Maerz Building for the School of Hotel, Restaurant and Recreation Management.

In 1973, after spending seven years at Pittsburgh National Bank, Broadhurst began working at Eat'n Park. He was named president in 1975, and chairman and CEO in 1984. In 1994, Broadhurst was named Alumni Fellow of the College of Health and Human Development, and in 1997 he received the Dis-

tinguished Alumni Award, the University's highest award for one of its graduates.

Eat'n Park Hospitality Group encompasses three integrated business divisions — CURA Hospitality, a Lehigh Valley-based provider of dining services to senior living facilities in Pennsylvania, New Jersey and Maryland; Eat'n Park Restaurants, a chain of more than 75 full-service family restaurants in Pennsylvania, Ohio and West Virginia; and Parkhurst Dining Services, which provides contract dining services to corporations, colleges, universities and The Carnegie Museums of Pittsburgh.

Alliance

Continued from page 1

The alliance will focus initially on four areas: benchmarking institutional practices and standards, assessing opportunities from the private sector, joint sales efforts and exploring opportunities for collaborative program development. The four universities saw a need to analyze and explore the best practices of providing online educational programs at a university level. Groups from these institutions are being formed to study, discuss, compare and disseminate standards and best practices. They expect the results to be of immediate use to guide their own strategic planning for this educational delivery mode, as well as to raise the bar for online education and training in general.

"This alliance represents four institutions that have made a significant commitment to online distance education," said Gary Matkin, dean of continuing education at the University of California, Irvine. Matkin, formerly associate dean of Extension at the University of California, Berkeley, was responsible for initiating the idea of an alliance. "Working together, we can have a greater impact on the practice of online learning, helping to evolve norms of practice that can guide the development of the field." Matkin will continue to convene the alliance in his new position at UC Irvine.

One stimulus for the creation of the alliance was a need to more effectively assess the value of the many commercial ventures that have arisen around the rapidly developing online learning industry. David Szatmary, vice provost of educational outreach at the University of Washington, reports that "the explosion of activity in the online learning field has led to e-commerce and service-related businesses, which want to work with us. Through the alliance, our institutions can make better decisions about how best to assess and collaborate with these for-profits."

Online learning has expanded the market for online programs internationally and placed a new emphasis on collaborative marketing efforts.

"Most of us have great marketing plans for our regions, but we need to work together and with corporate partners to expand our efforts globally," said Michael Offerman, dean of continuing education and executive director of learning innovations at the University of Wisconsin. "By this partnership, we maximize our efforts to reach greater populations for our collective programs."

The alliance had an inaugural meeting in Berkeley in December, beginning an ongoing benchmarking relationship in the areas of marketing, instructional design and technology. The benchmarking initiative will be expanded to include student services and academic program development.

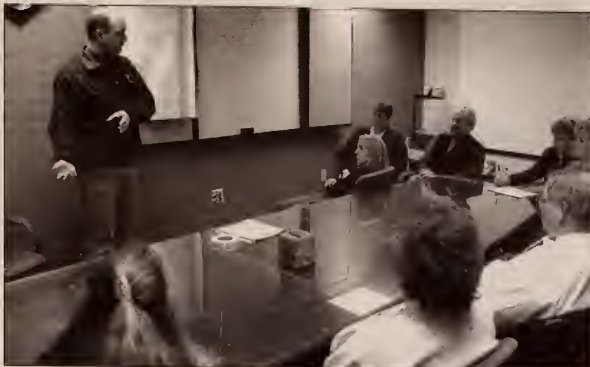
"These are functions that are absolutely critical to the long-term success of online distance education," notes Mary Beth Almada, assistant dean, online and distance education at the University of California, Berkeley, Extension, who was host for the initial meeting. "In the coming months, our staff leaders in these areas will begin to work as professional communities to establish norms of practice that will guide our institutions and, we anticipate, others in the future."

The four institutions also will explore opportunities to share academic resources to offer collaborative online distance education programs nationally and internationally.

"This is a more complex and long-term goal than some of the other issues that brought us together," notes Gary Miller, associate vice president for distance education at Penn State and executive director of the World Campus. "However, we all are aware that our institutions each have unique and sometimes complementary academic resources. We also are sensitive to the fact that this is an increasingly competitive environment and that appropriate institutional collaboration can help give us a competitive advantage, especially in the international arena. The opportunities to collaborate will arise naturally as we work together."

Currently, the group is limiting participation to the initial institutions.

Fire drill



Photos: Greg Gresco

Steve Triebold, fire protection engineer in the Department of Environmental Health and Safety, visited Business Services on the University Park campus recently to present a fire-safety program. Triebold first lectured about the dos and don'ts of fire safety, top. **At left**, he used a smoke machine to prepare a realistic fire drill. **Above**, Michael Pierick, director of Document Center Services, crawls to safety in the smoke-filled room. The program is run on the University Park campus between 20 and 30 times a year in residence halls and administrative units on an as-needed basis. For more information or to schedule the program, call (814) 865-6391.

World Campus leadership program class graduates

The basic idea is nothing new. Penn State has provided management training to businesses and organizations since 1915. What's different about the new World Campus Supervisory Leadership Certificate Program is that, instead of requiring business people to travel across the country, or overseas, to acquire the training they need, they now can do it in their own offices or homes through the Internet.

The program takes students through six individual, six-week courses covering the basic competencies needed to supervise and lead employees to greater

individual, team and organizational performance. Like all of the courses offered by The World Campus, the Supervisory Leadership Certificate is delivered with today's busy professionals in mind; via a combination of technologies including the Internet, e-mail and print.

Program graduates Kellie McGinley, a technical writer for Computer Systems Corp. in Columbus, Ohio, and Greg Rutbell, an Industrial Engineer with The Boeing Co. in Long Beach, Calif., followed the prescribed timetable for the course, graduating in mid-December after a year's

worth of work.

"This program is a prime example of where business education is headed. By cutting out travel and housing expenses, Web-based classes offer a cost-effective alternative for companies and individuals who want to boost their competitive edge in today's ever-changing, and increasingly Web-related economy," said Wesley Donahue, director of Penn State Management Programs and Services.

For more on World Campus, check the Web at <http://www.worldcampus.psu.edu/pub/index.shtml>.



Lectures

Tennis champion plans Eisenhower talk

Athlete and activist Martina Navratilova will speak at 8 p.m. Tuesday, Feb. 6, at Eisenhower Auditorium, University Park, as part of the Distinguished Speaker Series.

When Navratilova defected from Czechoslovakia to the United States in 1975, she had one goal — to be the best women's tennis player in the world. By the time of her retirement, she had acquired more tournament titles than any man or woman in tennis history. Navratilova is an influential advocate for many causes,



Martina Navratilova

speech.

For more information, call the Office of Student Activities (814) 863-3786 or stop by 207 HUB-Robeson Cultural Center.

es, including women's issues, gay rights, children's causes, animal welfare and the environment.

The event is free to the public, but tickets are required.

Tickets are available on a first-come, first-serve basis at the Eisenhower Book office. Tickets also may be available the night of the

Implications of genetic testing to be aired

A lecture titled "Genetic Testing: Ethical, Legal and Social Issues Surrounding Its Introduction Into Mainstream Medicine" will be presented by Maria Mascara, genetic counselor and medical geneticist at the Penn State Cancer Institute and assistant professor of pediatrics at The Milton S. Eisenhower Medical Center, at 11 a.m. Feb. 13 in 100 Thomas Building on the University Park campus.

The lecture is the fourth of six during the 2001 Penn State Lectures on the Fron-



Maria Mascara

tiers of Science, organized under the theme of "Decoding Life's Instruction Book: Genetics and Genomics."

Mascara will focus on the role of genetic counseling in understanding the impact of DNA technology on patients, whose physicians may one day be able to determine their predisposition for genetic diseases with a simple blood test.

For more information, call (814) 863-8453, e-mail science@psu.edu, or check the Web at <http://www.science.psu.edu/alert/news.html>.

Money-laundering scandal is topic of lecture

Organized-crime specialist Alan Block will speak on "A Netherworld of Spies and Crooks: The Bank of New York/Russian Money-Laundering Scandal" at 7:30 p.m. Monday, Feb. 19, in 102 Thomas Building on the University Park campus.

Block's speech is the sixth annual Luchinsky Memorial Lecture, sponsored by the Schreyer Honors College.

The speaker will explore the 1999 revelation that the Bank of New York was a suspect in an international money-laundering investigation.

Block is professor of Jewish studies and administration of justice. He also is director of the Jewish Studies Program at University Park.

The Luchinsky Memorial Lecture Series was endowed by family and friends to honor the memory of Mark Luchinsky, a University Scholar and biochemistry major who died Jan. 18, 1995, at age 20.

The lecture will be followed by a reception for students, faculty and guests in the Grandfather Clock Lounge in Atherton Hall.

eBusiness Research Center launches series

The eBusiness Research Center launches its Spring 2001 Distinguished Speaker Series on e-Business with David Cassano, vice president, Wireless Solutions, IBM Corp., who will speak at 5 p.m. Feb. 12 in 104 Keller Auditorium on the University Park campus.

As the corporatewide leader for wireless solution offerings at IBM, Cas-

sano is responsible for sales, marketing and solution plans that make use of wireless Internet technologies and further leverage the success of IBM's e-Business initiatives. He assumed this post after having served as general manager for IBM's Year 2000 Global Initiatives.

The event is free to the public.

Seminar focuses on competition for nitrogen

Curtis Dell, research associate in the Crop and Soil Sciences Department of Michigan State University, will speak during a special agronomy seminar at 11 a.m. Feb. 7 in 118 Agricultural Sci-

ences and Industry Building, University Park.

He will speak on "Plant/Microbial Competition for Nitrogen in Tallgrass Prairie Soils."

Seminars scheduled in Chemical Engineering

The Department of Chemical Engineering plans a series of seminars for the spring semester.

All seminars will be at 10 a.m. in 140 Fenske Laboratory, University Park. A list of dates and speakers follows:

■ Feb. 6: "Engineering the Processing and Stabilities of Polycrystalline Transcripts to Achieve Coordinated, Differential Expression of Genes," by Christina Smolke, University of California, Berkeley.

■ Feb. 13: "Water: A Stage for Self-Assembly," by Henry Ashbaugh, Princeton University.

■ Feb. 20: "Relationship Between Structural Order and the Anomalous Properties of Liquid Water," Jeffrey Errington, Princeton University.

■ Feb. 22: "Use of a New Microstructurally Based Model in the Simulation of Complex Viscoelastic Flows," Yong Lak Joo, Massachusetts Institute of Technology.

■ Feb. 27: "Protein Purification by High Performance Tangential Flow Filtration: New Opportunities for Mem-

brane Technology," Andrew Zydney, University of Delaware.

■ March 20: "Mathematical and Computational Analysis of Complex Cellular Processes," Vassily Hatzimanikatis, Northwestern University.

■ March 27: "Simulations of Drag-Reducing Polymer Turbulent Flows: Challenges and Rewards," Antony Beris, University of Delaware.

■ April 3: "Tipstreaming from a Drop in an Extensional Flow in the Presence of Surfactants," Charles Eggleton, University of Maryland Baltimore Campus.

■ April 10: "Expression of Complex Proteins in Bacteria: Genetic, Biochemical and Engineering Considerations," George Georgiou, University of Texas, Austin.

■ April 17: "Shape Oscillations of Liquid Drops: Effects of Surfactants and Viscosity," Ali Nadim, Boston University.

■ April 24: "Viscoelastic Flow Instabilities," Bamin Khomani, Washington University.

Letters of Langston Hughes to be discussed

Two of the central figures in the Harlem Renaissance, poet Langston Hughes and his friend, Carl Van Vechten, will be the topic of a Black History Month presentation at noon Feb. 7 at the Penn State Downtown Center, 234 N. Third St. in Harrisburg.

Emily Bernard, adjunct assistant professor in the humanities, is the presenter. She will focus on the letters between the two figures, Bernard's book, *Remember Me to Harlem: The Letters of Langston Hughes and Carl Van Vechten (1925-1964)*,

is scheduled for publication on Feb. 13.

Hughes was a young and gifted black poet and Van Vechten was a white, well-established American photographer, but their friendship, based on their mutual love of black culture, weathered the challenges of their changes of fortune. Bernard will lecture on this friendship as well as on the Harlem Renaissance.

The lecture is free to the public.

For information on the presentation, call the Downtown Center at (717) 783-0433.

Redbook publisher to talk about success

Jayne Jamison, vice president and publisher of *Redbook* magazine, will give a talk on "Success: What Can Be Learned and What Can't" on Thursday, Feb. 15, in the Ballroom of The Nittany Lion Inn on the University Park campus.

Before joining *Redbook*, Jamison worked for various advertising agencies, and in 1985, joined *The New York Times* Women's Magazine Group and excelled in positions with *Family Circle*, *McCalls* and *Child* magazines. In August of 1997, she was appointed publisher of *Redbook*. Jamison graduated from Penn State in 1978 with a degree in advertising, and was named an Alumni Fellow by the



Jayne Jamison

Penn State Alumni Association in 1999.

The Penn State Forum is a luncheon speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore. It is open to the public. Tickets are \$11 for non-members and \$9 for members, and include lunch.

Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. following by the speech and a question-and-answer session at noon. For more information call (814) 865-7590.

Sreenivasan to be engineering lecturer

Katepalli R. Sreenivasan, Harold W. Cheel professor of mechanical engineering, physics and applied physics at Yale University, will discuss "Turbulent Convection" at 4 p.m. Feb. 6 in 125 Reber Building, University Park. Refreshments will be served at 3:45

p.m. The speaker is part of the Department of Mechanical and Nuclear Engineering 2000-2001 Distinguished Lecture Series.

For more information, call James Brasseur at (814) 865-3159 or e-mail Brasseur@jazz.me.psu.edu.



Appointments

Winter takes post of director of Institutional Advancement

Patricia Quinn Winter was named director of Institutional Advancement for Penn State McKeesport.

She is responsible for development, alumni and donor cultivation, including grant writing, and will supervise public relations, marketing and community outreach efforts of the campus.

For the past five years she served as director of development and university relations at Penn State New Kensington, where she planned and implemented a \$1.5 million capital campaign. In addition, she coordinated all aspects of development, university relations, special events, alumni relations and media relations.



Patricia Quinn Winter

Winter will assume similar responsibilities at the McKeesport campus where a \$3.5 capital campaign is under way.

From 1991 to 1993 she was director of annual programs at Chatham College and from 1993 to 1996 served as director of development administration there. Since 1983 she has held a variety of marketing and public relations positions with a Virginia architectural firm, the Virginia Department of Motor Vehicles, American Red Cross in Richmond and the United Way of Greater Richmond.

Winter graduated from Kent State University with a bachelor of science degree in journalism.

2 new staff members named at Penn State McKeesport

Penn State McKeesport administration has named two new professional staff members.

Carol J. Power is the career services coordinator in the Division of Undergraduate Studies. She provides advising and testing for students to help determine career choices and helps students in internships to obtain on-the-job experience.

Power has served as a counselor/case manager for the Allegheny Intermediate Unit Adult Education/Workforce Development Division for the Hospitality/Customer Service Training and Employment Program; as career counselor for the Graduate School of Public and International Affairs, University of Pittsburgh; and as a vocational retention specialist for the Community College of Allegheny County Student Outreach Center, South Campus. She also has held counselor and therapist positions in the mental health field.

She holds a master of science degree in education in counselor education and community counseling serv-



Carol J. Power



Phillip D. Harris

ices from Duquesne University and a bachelor of arts in journalism from Kent State University.

Phillip D. Harris is the academic counselor for the Academic and Career Excellence program, a federally funded program that provides services to students who meet U.S. Department of Education Student Support Services guidelines. He graduated from the University of Pittsburgh with a bachelor of science degree in psychology and minor in black studies and has a master's degree in counselor education from the California University of Pennsylvania.

He was Fatherhood Initiative coordinator and case manager at McKeesport High School, where he developed and coordinated an intensive program for young fathers. From 1995 to 2000 he served as a counselor at the Addison Terrace Learning Center and implemented treatment and safety plans for families. He also has worked as a mental-health crisis worker at Western Psychiatric Institute.

Penn State Executive Programs adds new members

Two new staff members have joined Penn State Executive Programs and The Smeal College of Business Administration.

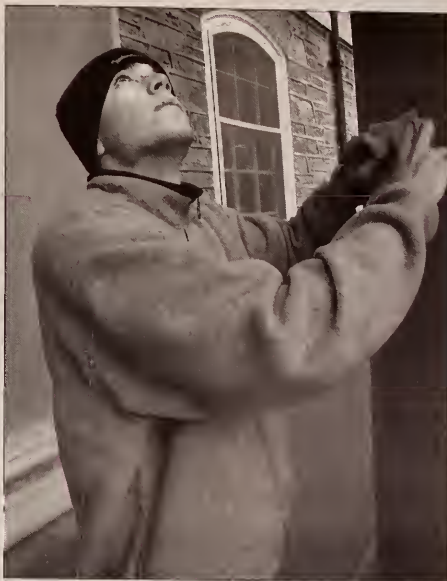
Claudia H. Lange has been named as marketing communications account specialist; and Michael E. Werner has been named business manager. Lange and Werner will work in The Smeal College of Business Administration.

Lange will be responsible for developing, directing and implementing marketing and advertising plans for Executive Programs. Before joining Penn State, Lange was the publicity and advertising coordinator for South Hills School of

Business and Technology in State College. She received her master's degree in education from Penn State in 1993 and her bachelor of arts from Penn State in 1985.

Werner's responsibilities will include managing the daily business operation of Executive Programs. He was business manager of The Center for the Performing Arts from 1985-1991. In addition, Werner was a budget-planning analyst for the Office of Budget and Resource Analysis from 1978-1985. Werner earned his bachelor of science degree from Penn State in 1974.

Dimensions



Nick Hasapes scans the facade and sketches the columns in front of Old Main for his architecture and engineering class. The exteriors of many University Park buildings wind up as the focus of classroom lessons.

Photo: Greg Grieco

PARTING

Administrator-professor devoted 31 years at Penn State Harrisburg

Robert Lesniak ended his 31-year administrative and teaching career at Penn State Harrisburg recently.

His career included service as acting associate dean for Research and Graduate Studies (1986-87), acting division head for Behavioral Sciences and Education (1988-90), coordinator of the master's program in teaching and curriculum (1972-87), director of the doctoral program in adult education (1984-88) and coordinator of the master's program in training and development from 1985 until his retirement in December.

Having previously served as the associate director of the urban teaching preparation program at Syracuse Uni-

versity, Lesniak was attracted to Penn State Harrisburg by its urban program in teaching, operating in the Harrisburg School District. He worked to expand the requirements of the field experiences and to establish three basic preparation-for-teaching courses, which still are program requirements today.

Another major curricular accomplishment came in 1985 when nurses from The Hershey Medical Center requested a specialized program for teaching. With the help of then-division head Stanley Miller, he created the master's program in training and development, which still enrolls 150 students each year.

COURSES

■ Commission for Women

■ Job Enhancement Sessions

Sponsored by the Commission for Women Staff Issues Committee, these sessions are scheduled for Feb. 14

and March 14 in 101 Agricultural Sciences and Industries Building.

For more information, call Carol Griffin at (814) 863-6188 or e-mail cgr3@psu.edu.

Alternative fuel to power classic pickup

By JULIE A. BRINK
Public Information

When David Wagner hits the road to publicize an alternative fuel to farmers, he wants to do it style.

The assistant professor of agricultural engineering and Extension specialist for precision agriculture plans to be behind the wheel of a '56 Ford pickup restored to cherry condition and fueled with biogas, a natural fuel derived from manure.

He wants farmers to see a Penn State blue-and-white pickup with gleaming chrome cruising along in local parades and at county fairs, a reminder of a time when U.S.-made trucks were the workhorses of family farms.

Right now Wagner's trying to get the truck ready to go on the road to draw attention to this power source.

Biogas is a renewable resource created by treating manure through anaerobic digestion. "It's a microbial fermentation process," Wagner said.

For Pennsylvania, which has plenty of dairy farms as well as poultry and hog facilities, biogas has the potential to solve several problems. Running manure through the fermentation process allows the farmer to reduce the odor significantly — a problem in com-

munities where agricultural land is being encroached upon by the growing suburbs — and it generates energy.

Biogas is somewhat like natural gas, in that it is about 60 percent methane, Wagner said. The energy can be converted to electricity, used for heating or sold to utility companies, which are showing increased interest in renewable resources. The treated manure also has fertilizer value.

As a fuel source, Wagner said the alternative fuel has the potential to be competitive with natural gas in powering farm vehicles — like that classic pickup — and for generating electricity.

The process is nothing new, Wagner said, noting that for more than 80 years, municipalities have us-



biogas to power the generators in sewage plants.

"Several Pennsylvania dairy

farmers are operating anaerobic digesters which generate biogas and one of them is generating sufficient electricity that he's selling it back to the utility company," Wagner said.

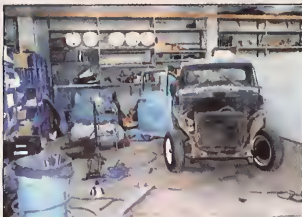
The Pennsylvania Department of Agriculture recently awarded the University approximately \$240,000 in a grant to study anaerobic digestion for reducing odors and generating biogas. The project will last three years. Herschel Elliott, professor of agricultural engineering, and Robin Brandt, a doctoral student, are working with Wagner on the project.

Wagner's dreams of hitting the road have been some time in the making. About two years ago, the researcher located a truck in North Carolina, took a trailer down and bought it for \$3,500. He said he chose a '56 Ford because it's one of the most desirable collector classic pickups. The half-ton F-100 pickup has a 225-cubic-inch, six-cylinder engine. The rusty blue truck had a few miles under its belt, but Wagner could see its potential. Heck, the thing even ran.

"We drove it into the shop," Wagner recalled. Right now, Wagner's dream machine "looks like a pile of sheet metal," he said laughing. Everything has been taken apart for restoration.

All that stands between Wagner's dreams of a biogas-fueled piece of American history and reality is \$25,000 to pay for the restoration and engine conversion.

The professor is seeking funds from the Ford Motor Co., local Ford dealerships and utilities to make his dream a reality. He figures with the right kind of help, he'll be cruising along in local parades in about nine months.



A classic '56 Chevy pickup has been stripped to its components while it awaits restoration. Once the truck is roadworthy, David Wagner, assistant professor of agriculture, plans to use it to convert it to run on biogas in an effort to make farmers aware of alternative fuels.



A student helps dismantle a '56 Chevy pickup in order to make the restoration process more efficient. Once the truck is restored, it will be used to promote alternative fuels to farmers.

NEWS IN BRIEF

EMS video series

The Earth and Mineral Sciences Library is now offering a lunchtime video series highlighting the various subject areas in the college.

Showings will take place from 12:05 p.m. to 1 p.m. every Monday and Wednesday through April 30, excluding March 5 and 7. The videos will be shown in the Earth and Mineral Sciences Library, 105 Deike Building, University Park.

A schedule is posted on the Web at <http://www.libraries.psu.edu/ems/video.html>. For more information, call the Earth and Mineral Sciences Library at (814) 865-9517.

University Libraries Award

Nominations are sought for the 2001

University Libraries Award, which consists of a citation, cash stipend and a Nittany Lion statue.

It recognizes the achievement or performance of any person holding an academic, staff or technical service appointment in the Libraries. Any member of the University community may make a nomination.

Nominations forms are available at <http://www.libraries.psu.edu/publications/awards/ulson.htm> or from Tracy Weaver at (814) 865-0401 and e-mail tdw@psu.edu. Nominators should notify people they intend to nominate for the award. Return nomination forms to Tracy Weaver, chair, University Libraries Award Committee, The Pennsylvania State University, 510 Paterno Library, University Park, Pa. 16802, by March 5.

Grand opening

The Hintz Family Alumni Center on the University Park campus will be officially dedicated Saturday, April 21, before the Blue-White football game. An open house for alumni, staff, students and the community will be held Sunday afternoon, April 22.

For more information, call Barbara Schroeder at (814) 863-6340 or e-mail bsl221@psu.edu.

Volunteers needed

The food lab in Henderson Building on the University Park campus is looking for women for two studies:

■ The lab needs overweight women ages 18-45 to participate in a study of food-related behavior beginning in mid-February. The study consists of

eating breakfast, lunch and dinner in the lab one day a week for three weeks.

■ The lab also needs women ages 25-45 to participate in a study of food-related behavior beginning in mid-February. The study consists of eating breakfast, lunch and dinner in the lab one day a week for three weeks.

Participants will be compensated. For more information, call Angie at (814) 863-8482 from 9 a.m. to 4 p.m. Monday through Friday.

Time change

The Ms. Black Penn State University Pageant has been rescheduled for 2 p.m. Feb. 24 at Schwab Auditorium.

The time was changed due to a scheduling conflict.



Arts & Entertainment

French horn recital

Lisa O. Bontrager, associate professor of music, will present a French horn recital at 8 p.m. Friday, Feb. 2, in the School of Music's Esber Recital Hall, University Park. Joining her are pianist Kathy Gattuso Cinatti; soprano Susan Boardman, associate professor of music; and French hornist John Gerber.

Among the pieces to be performed is the world premiere of Stephen Edward Gerber's "Concerto for Two Horns." Gerber was commissioned to write this piece four years ago by State College arts patron Henry K. McConnon.

The recital is free to the public.

Recital planned

Pianist Barry Hannigan will visit the School of Music on the University Park campus Saturday, Feb. 3. Hannigan will present a master class at 1:30 p.m. in 122 Music Building II and a recital at 8 p.m. in the Esber Recital Hall.

Both events are free to the public.

Hoagy Carmichael Centennial

The Hoagy Carmichael Centennial Celebration will be held at 7:30 p.m. Monday, Feb. 5, at Eisenhower Auditorium on the University Park campus. Tickets are \$35 and \$18, with 20 percent off ticket prices for students.

This is the last scheduled show in the United States, and the last chance to hear the Stardust Orchestra featuring 25 of Carmichael's best songs. During the concert, President Graham B. Spanier may make an appearance on the washboard. Spanier is a regular performer on washboard with the Deacons of Dixieland.

Proceeds will benefit the Scholarship Fund of the American Federation of Musicians, Local 660, State College.

For more information, call John Kepler at (814) 466-8742, (814) 466-6225 or (877) 922-4646. For tickets, call the Eisenhower Ticket Office at (814) 863-0255; Brandon Ade, Kappa Sigma, at (814) 867-9903; or Jeana Schleisman, Sigma Delta Tau, at (814) 862-2359.

Big band jazz concert

Centre Dimensions, under the direction of Dan Yoder, professor of music, will present a concert of big band jazz at 8 p.m. Wednesday, Feb. 7, in the School of Music's Esber Recital Hall on the University Park campus.

Featured soloist for the concert will



Stephen Porter, professor of art, shapes blocks of wood in his shop as he prepares to make a sculpture.

Photo: Greg Grieco

be Dan Weiner, jazz teaching assistant.

Tickets are \$3 and will be available at the door before the performance.

Bach's Lunch

The Penn State Bassoon Trio will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Feb. 8, in the Helen Eakin Eisenhower Chapel on the University Park campus.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

'Carnival'

"Carnival" will be performed at 8 p.m. Feb. 16 and 17 and Feb. 19-24 at Playhouse Theatre, University Park.

The musical is about a young girl who finds romance and adventure with a traveling circus in southern France.

Preview performances will be at 8 p.m. Feb. 14 and 15 and a matinee is planned for 2 p.m. Feb. 24 at the Playhouse Theater. Ticket prices start at \$9.50.

Tickets are available at Eisenhower Auditorium, The Bryce Jordan Center, or call (814) 863-0255 or (800) ARTS-TIX.

Penn College exhibit

An exhibition of 50 wood-cut prints will be on display through Feb. 18 at the 202 Gallery in the Alvin C. Bush Campus Center at Pennsylvania College of Technology.

The exhibition is the result of an exchange of work between artists with Xylon Argentina, an association of relief printmakers in and around Buenos Aires, Argentina; and the Wood Engravers' Network, a group of printmakers interested in wood engraving.

The artists whose works will be displayed are: Alfredo Benavidez Bedoya, Anteo Scordamaglia, Carlos Bechara, Claudio Lara, Cristian Delhez, Elias Esque, Liliana Gerardi, Marcelo Malagamba, Marcela Miranda, Marcela Purita, Oscar Ciancio, Osvaldo Jalil, Pablo Delfin, Patricia Puglisi, Roberto Koch and Sandra La Porta.

Gallery hours will be by appointment only. To schedule an appointment, call (570) 326-3761, ext. 7491.

Palmer Museum

A number of exhibits are ongoing at the Palmer Museum of Art on the University Park campus. Among them are:

■ "An Interlude in Giverny: The French Chevalier by Frederick MacMonnies," through Feb. 25. Dana Carlisle Kletchka, museum educator, will give a gallery talk, titled "An Interlude in Giverny," at noon Feb. 9 at the Palmer Museum.

■ "Power in My Hand: Works on Paper by Women Artists from the Permanent Collection of the Palmer Museum of Art," through April 29.

■ "History Past, History Present: The Daguerreotype Portrait in America," continues through May 20.

Fred Waring exhibit

A new exhibit on Fred Waring's jazz band is on display on the third floor of University Park's Pattee Library, west, in the case at the entrance to the Fred Waring's America Collection. The memorabilia will be on display through Feb. 28. For library hours, call (814) 865-3063.

The exhibit is running in conjunction with Ken Burns' "Jazz" documentary on WFSV-TV, channel 3.

Several recordings from Waring's jazz era can be found on the Web at <http://www.redhotjazz.com/waringpa.html>.

For more information about the exhibit, call Peter Kieffer at (814) 863-2911.

Penn State New Kensington announces several activities during Black History Month

Penn State New Kensington announces the following activities to commemorate Black History Month:

■ Feb. 1 to 28: BIKO, the artist's works will be exhibited at the Penn State New Kensington Art Gallery, noon to 8 p.m. Monday through Friday; noon to 5 p.m. Saturday and Sunday. Free.

■ Feb. 9, noon: Lecture and drama, "The Real West," by Larry Rowe and the Multicultural Club of Valley High School, Penn State New Kensington Theatre, free.

■ Feb. 13, 12:30 p.m.: Gospel Explosion featuring Praise, Worship and Deliverance from St. Paul's Church and Devotion from Indiana University of Pennsylvania.

Penn State New Kensington Theatre, Free.

■ Feb. 22, 1:45 p.m. "Four Little Girls," screened in TV Lounge. Free.

■ Feb. 28, 12:15 p.m.: Art exhibit presentation featuring BIKO, Penn State New Kensington Art Gallery. Light lunch provided. Free.



University Park Calendar

February 2 - February 11

SPECIAL EVENTS

Monday, February 5

"Alaska — Crude Awakening," film, 12:05 to 1 p.m., 105 Deike.

Wednesday, February 7

"I, Ron, Exposed," film, 12:05 to 1 p.m., 105 Deike.

Friday, February 9

"An Interlude in Giverny," gallery talk, by Dana Carlisle Kletchka, noon, Palmer Museum of Art.

Saturday, February 10

The Blue Collar Comedy Tour, starring Jeff Foxworthy, Bill Engvall, Ron White and Larry the Cable Guy, 8 p.m., The Bryce Jordan Center.

MUSIC

Friday, February 2

French horn recital, with Lisa D. Bontrager, 8 p.m., Esber Recital Hall.

Saturday, February 3

Barry Hannigan, piano, master class,

1:30 p.m., 122 Music II.
Barry Hannigan, piano, recital, 8 p.m., Esber Recital Hall.

Monday, February 5

The Hoagy Carmichael Centennial Celebration, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Wednesday, February 7

Centre Dimensions, Dan Yoder, director, 8 p.m., Esber Recital Hall.

Thursday, February 8

Penn State Bassoon Trio, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, February 2

Les Lanyon on "Complexity and Community as Strategic Features of Watershed Quality Programs," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries. William L. Welch Jr. on "The Bones of Roland Kuehn: An American Physician on the Mosquito Coast," 4 p.m., 301 Steidle.

Saturday, February 3

Maria Mascari on "Genetic Testing: Clinical and Ethical Issues," 11 a.m. to 12:30 p.m., 100 Thomas.

Monday, February 5

David Vaughan on "Zeolites," noon, 339 Davey Laboratory.

Simin N. Meydani on "Nutrition, Aging and Immunity," 4 p.m., S209 Henderson.

Tuesday, February 6

Christina Smolke on "Engineering the Processing and Stabilities of Polyelectronic Transcripts to Achieve Coordinated, Differential Expression of Genes," 10 a.m., 140 Fenske Laboratory.

Leonard Sander on "Diffusion-Limited Aggregation: Patterns and Fractals in Diffusion Limited Growth Far from Equilibrium," 3:30 p.m., 339 Davey Laboratory.

Katherine Cason on "A Comparison of Demographic Variables, Food/Nutrient Intakes, Level of Food Security and Food/Nutrient Changes Among Food Stamp and Non-Food Stamp Recipients," 4 p.m., S209 Henderson.

Katepelli R. Sreenivasan on "Turbulent Convection," 4 p.m., 125 Reber.



President Graham B. Spanier, shown playing the washboard with the Deacons of Dixieland, may make an appearance in the Hoagy Carmichael Centennial Celebration. This Feb. 5 show, the group's last scheduled in the United States, will take place at 7:30 p.m. in Eisenhower Auditorium on the University Park campus. For tickets, call (814) 863-0255.

Marina Navratilova, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-3786.

Wednesday, February 7

Curtis Dell on "Plant/Microbial Competition for Nitrogen in Tallgrass Prairie Soils," 11 a.m., 118 Agricultural Sciences and Industries.

Raymond T. Coward on "Racial Comparisons of Health Decline and Family Caregiving Among Older Adults," noon to 1 p.m., 108 Wartik Laboratory.

Thursday, February 8

Discussion on approaches to the integration of planning and improvement efforts, 1:30 to 3 p.m., Alumni Lounge, The Nittany Lion Inn. To register, call (814) 863-8721.

John Stachel on "New Light on the Einstein-Hilbert Priority Question," 4 p.m., 117 Dsmond Laboratory.

Claudia Carello on "Perceiving Object Properties by Hand and by Ear," 4:30 p.m., 12 Walker.

Friday, February 9

Stephen Stout on "Synthesis, Characterization and Cation Selectivity of Expandable Micels," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Simon Bonner on "Killing Tradition: Children and Guns at the Hagens Pigeon Shoot," 4 p.m., 301 Steidle.

Saturday, February 10

Ken Wedel on "Reflections on a Golden Age: Challenge Amid Success in Human Genetics," 11 a.m. to 12:30 p.m., 101 Thomas.

EXHIBITS

HUB-Robeson Center

"Cultural Expressions," mixed media by Gerald Branch, through Feb. 21.

"Natural Instincts," photography by Gino J. D'Angelo, through March 11.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

"Lego Sculptures," by Alpha D. Harrison, through April 4.

"North Hills exhibit area," photographs by Jason Fegone, through Feb. 28.

"Restless Metropolis," photography by Denton W. Smith Jr., through Feb. 28.

Palmer Museum of Art

"Power In My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Daguerreotype Portrait in America," through May 20.

"An Interlude in Giverny: The French Chevalier," by Frederick MacMonnies, through Feb. 25.

Pattee Library

"Just Beyond the Tip of the Tongue: A Literary and Extra-Literary Exhibit on Richard Wright," by Howard Ramsby II, through Feb. 28.

"The Public Poetry Project Initiated by Kim Fisher," honoring Fisher's memory, through Feb. 28.

"Celebrating Martin Luther King Jr. and Black History Month," student-designed posters, through Feb. 28.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

OBITUARIES

Charles W. Bush, instructor of engineering at Penn State Berks, from Jan. 1, 1969, until his retirement June 30, 1981; died Dec. 30, at the age of 84.

Paul F. LaPorte, storeroom mail clerk in the Commonwealth Educational System, from Sept. 16, 1968, until his retirement Jan. 18, 1983; died Dec. 26. He was 84.

Marion R. Miles, nutrition adviser in the College of Agricultural Sciences, from Jan. 5, 1981, until her retirement May 1, 1997; died Jan. 5, at the age of 67.

Gilbert H. Ward, associate professor of physics in the Eberly College of Science, from Sept. 1, 1948, until his retirement June 30, 1983; died Dec. 23. He was 83.

Readership program recycling efforts benefit scholarship fund

By AMY NEIL
Public Information

The University's general scholarship fund is \$22,750 richer, thanks to the recycling efforts for the Newspaper Readership Program at the University Park campus.

Since the inception of the readership program in 1997, 695 tons of newspapers (*The New York Times*, *USA Today*, *Centre Daily Times* and *The Daily Collegian*) have been recycled. Al Matyasovsky, operations supervisor for the Office of Physical Plant (OPP), has calculated the recycling capture rate to be around 65 percent.

"This is an amazing number and makes the newspaper readership program the most successful recycling program on campus," he said.

The recycled newspapers, collected by OPP, are marketed by Superior Waste Services of DuBois, which donates a portion of the profits to the University's general scholarship fund. *The New York Times*, *USA Today* and

Centre Daily Times offer matching contributions.

"This is an amazing number and makes the newspaper readership program the most successful recycling program on campus."

Al Matyasovsky

"Although University Park is the only campus that is generating scholarship dollars, students at all campuses benefit from the scholarship money," said Matyasovsky.

Students at the University Park campus read a daily

total of more than 7,000 copies of *The New York Times*, *USA Today* and *Centre Daily Times*. More than 1.5 tons of newspaper are recycled each day — twice as much as last year — and has produced enough material to cover the entire Beaver Stadium football field with newspapers 15 inches deep. It has also saved 11,815 trees and 2,085 cubic yards of landfill space, according to Matyasovsky.

William Ausbury, vice president for student affairs, approached Matyasovsky before the readership program began, and asked if he had any concerns about the increased amount of newspapers on campus. Matyasovsky said he did express the need for an infrastructure and special process to collect this potentially large amount of papers. Surprisingly, OPP did not have to hire additional workers for the collection efforts.

"Because of the reduced hauling



Patty Aaron, a residence hall utility worker at East Halls, adds to the growing amount of recycled newsprint on the University Park campus. Since 1997, some 695 tons of newspaper has been recycled at the campus, according to Al Matyasovsky, operations supervisor for the Office of Physical Plant. A portion of the profits from the firm that markets the recycled newspapers is donated to the University's general scholarship fund.

Photo: Greg Grieco

time to the county recycling facility, we were able to adjust our schedules to use existing manpower," he said.

"This, and process improvements, have satisfied the challenge of the additional papers."

OPP has taken additional steps to encourage participation in University Park's recycling efforts. Specially designed signs and posters are located throughout campus, and mouse pads with recycling information are in all campus computer labs. A 24-hour auto-

mated hot line with information on the University's recycling program also is available at (814) 865-8000.

The Newspaper Readership Program, initially offered to students living in campus residence halls at University Park and eight other campuses, was expanded last fall to offer free newspapers — *The New York Times*, *USA Today* and a daily paper from the local community — to all students at 20 campuses with undergraduate programs.

Energy Institute to administer West Penn Power Sustainable Energy Fund

The University's Energy Institute has been selected to administer the new West Penn Power Sustainable Energy Fund. The fund, which is one of four sustainable energy funds in the Commonwealth, was established by the Pennsylvania Public Utilities Commission as part of the deregulation and re-structuring of Pennsylvania's electric generation. Collectively these four funds will provide nearly \$55 million in the development and implementation of sustainable energy technologies throughout Pennsylvania.

The Energy Institute, in cooperation with Energetics Inc., will be responsible for developing and monitoring sustainable energy projects that will have economic and so-cietal benefit to the West Penn service area ratepayers.

According to the Sustainable Energy Fund Technical Director Peter Luckie, professor of mineral engineering, the fund was established to promote the use of renewable and clean energy, energy conservation and energy efficiency, and the start-up, attraction, expansion and retention of sustainable energy businesses.

"The West Penn Power Sustainable Energy Fund will be looking for proposals from businesses and technology centers that develop sustainable energy technologies and have an interest in deploying their technologies in Pennsylvania. We are specifically interested in those that can help retain and attract businesses in the 17-county West Penn Power service district in western, central and northern Pennsylvania," said Joel Morrison, program coordinator for the University.

For more information, call Morrison at (814) 865-4802 or e-mail wpsef@psu.edu.

"The West Penn Power Sustainable Energy Fund will be looking for proposals from businesses and technology centers that develop sustainable energy technologies and have an interest in deploying their technologies in Pennsylvania."

Joel Morrison



Penn Staters

Cheryl Achterberg, dean of the Schreyer Honors College, participated in the American Association for University Women-Knight Collaborative Roundtable on the Opportunities for Women in Higher Education at Massachusetts Institute of Technology in Cambridge, Mass. The subject of the roundtable was how best to ensure that women of the American professoriate experience opportunities, recognition and rewards comparable to those of their male counterparts.

Dinesh Agrawal, professor of materials and director of the Microwave Processing and Engineering Center in the Materials Research Institute, gave invited talks on "Recent Developments in Microwave Technology" at GINTIC and Turbine Overhaul Services Ltd., both in Singapore; and at Associated Cements Cos., Mumbai; Indian Institute Technology, Kanpur; and Bharat Heavy Electricals Ltd., New Delhi, all in India.

N.K. Bose, HRB-Systems professor of electrical engineering, presented the opening lecture at the 2000 Workshop on Mathematics in Image Processing, held in Hong Kong. Bose's talk, "Toward Blind Robust Superresolution," was presented at the invitation of the University of Hong Kong's Institute of Mathematical Research.

Thomas Boyle, assistant professor of business at Penn State Altoona, was appointed to the Board of The International Entrepreneurship Forum of the University of Central England. He also was also appointed to the Regional Advisory Board of the University Center for International Studies at the University of Pittsburgh. This center is

one of only 10 such centers in the United States.

J. Greg Ferry, Stanley Person professor of molecular biology, has been selected to receive the 2001 Graduate Microbiology Teaching Award from the American Society for Microbiology. The award recognizes distinguished teaching and mentoring of students at the graduate and post-graduate level, plus their encouragement to attain subsequent achievements. In conjunction with the award, he will present a lecture titled "Methanogenesis: A Student Playground" during the society's general meeting awards dinner.

Arthur E. Goldschmidt Jr., professor emeritus of Middle East history, was awarded the 2000 MESA Mentoring Award by the Middle East Studies Association of North America Inc. This honor is in recognition of Goldschmidt's contributions to the education and training of others in Middle East studies.

Robert W. Koehler, associate professor of accounting in The Smear College of Business Administration, was named as the PricewaterhouseCoopers' Faculty Teaching Fellow in Accounting. This achievement recognizes Koehler's accomplishments during his many years of service as well as his dedication to the accounting profession.

Gary E. Miller, associate vice president for Distance Education and executive director of the Penn State World Campus, recently spoke at the National Academy Workshop on the "Impact of Information Technology on the Future of the Research University." In addition to the sponsorship by The National

Academies, the workshop was cosponsored by the W.K. Kellogg Foundation, the Woodrow Wilson Foundation and the National Science Foundation.

Tony Mitchell of the Diversity Outreach Programs at Penn State McKeesport, presented a paper, "Healing Through Storytelling (Drum, Rap and Story): From Anansi the Spider to Tupac Shakur and Beyond," at the Seventh National African-American Student Leadership Conference at Rust College in Mississippi.

Robert E. Newnham, professor emeritus of solid state science, has been appointed honorary professor of applied physics at the Hong Kong Polytechnic University and senior adviser to the Centre for Smart Materials. While in Hong Kong, he delivered a plenary lecture on "Symmetry and Antisymmetry in Ferroelectric Ceramic Transducers" at the Third Asian Meeting on Ferroelectrics.

Penn State Fayette's Emergency Medical Services (EMS) training program has received reaccreditation as an EMS training institute by the Pennsylvania Department of Health. The reaccreditation will last for another three years. Penn State Fayette EMS training department completed an extensive two step application process, fulfilling state requirements addressing personnel, instructors, facilities, equipment, operational documents and course plans.

Anita Todd, director of cooperative education in the College of Engineering, received a Best Session Award at the 2000 Conference for Industry and Education Collaboration for a session titled

"Using Student Groups to Enhance Cooperative Education Programs." The conference was sponsored by the American Society for Engineering Education, an association dedicated to promoting and improving engineering and technology education.

Bruce Trinkley, professor of music, and **Jason Charnesky**, graduate student in English, have won the National Opera Association's (NOA) 2001 Chamber Opera Competition. Their comic opera "Cleo" won the award at the NOA national convention in New York City. Scenes from "Cleo" were presented by the Penn State Opera Theatre at the NOA convention. The scenes, directed by **Susan Boardman**, associate professor of music, were performed by Penn State students, staff and alumni, including **Korey Jackson**, a School of Music undergraduate; **Phil Doucette**, a graduate alumnus of the School of Music; **Kirsten Rossi**, an alumna of the School of Theatre; and **Russell Bloom**, manager of Music at Penn's Woods.

Jean-Claude Vuillemin, associate professor of French, gave a talk, "Theatrical Illusions in French Baroque Drama," at the International Corneille Colloquium, in Rouen, France. Vuillemin also was re-elected vice president of the Mouvement-Corneille, an international research group devoted to the study of the dramatic/performance texts by the French playwright Pierre Corneille (1606-1684).

Kristine Clark, director of sports nutrition at the Center for Sports Medicine, was an invited lecturer at the University of Tokyo and Osaka, presenting, "Nutrition for Optimal Sports Performance."

25-YEAR AWARDS



Darra Bakner



Andrea Christopher



James L. Rosenberger



Harry G. Schuler



Janet Zeager



Carole J. Yearick

Observing 25 years of service at the University are, from left, Darra Bakner, mechanic A, water treatment, carpenter at Penn State Mont Alto; Andrea Christopher, director of student affairs at Penn State Mont Alto; James L. Rosenberger, professor and head of statistics in the Eberly College of Science; Harry G. Schuler, senior research assistant, anesthesia, and Janet Zeager, staff assistant VI, both in the College of Medicine, Hershey; and Carol J. Yearick, computer support assistant in the Office of the Vice President for Research. Observing 25 years of service at the University but not pictured are Steven Grenoble, group leader, landscape management in the Office of Physical Plant; Bonnie B. Griffith, supervisor of grants and contracts in the Corporate Controller's Office; and Robin L. Yearney, staff assistant VII in Intercollegiate Athletics.



Focus on Research

Moderate aggression may lead to stronger immune systems

By STEVE INFANTI
Public Information

Men who are moderately aggressive have stronger immune systems, according to new study by a team of researchers from University Park and the University of Nebraska.

"We have observed this relationship in animal studies but this is the first time that a connection has been made between aggression and immunity in humans," according to Douglas Granger, associate professor of biobehavioral health in The College of Health and Human Development.

Granger, Alan Booth, distinguished professor of sociology and human development and family studies at University Park, and David R. Johnson, professor of sociology at the University of Nebraska, published their findings recently.

"Our study suggests that differences in people's aggressive behavior influence how their immune systems are prepared to deal with infections, viruses and bacteria," Booth said.

Men who have been in occasional fights or been in trouble with the law, either as an adult or youth, have immune systems that may be ready to marshal a more rapid and intense response to pathogens associated with disease or injury than do men who are seldom aggressive, according to the researchers.

"However, higher levels of aggression do not convey additional immune benefits," Booth said.

The researchers studied a sample of 4,415 men aged 30 to 48 years who were interviewed to determine their level of aggressive behavior. The subjects then underwent medical examination to determine their state of health. The researchers also took blood samples from each subject. Those samples



Alan Booth, left, distinguished professor of sociology and human development and family studies at University Park, and Douglas Granger, associate professor of biobehavioral health in The College of Health and Human Development studied the effects of aggression on the immune system in men.

Photo: Greg Gileco

were then analyzed for different types of white blood cells or lymphocytes.

"White blood cells are major players in the body's immune system," Granger explained. Out of eight indicators of immune activity studied, two specialized types of lymphocytes (CD4 cells and B cells) that determine the initiation, magnitude and duration of specific cellular immune responses were present in high concentrations in the circulation of moderately aggressive men.

According to the study, individuals who reported engaging in two aggressive acts were 30 percent more likely to be in the top quartile of CD4 cell numbers than those reporting no aggressive acts, after taking into

account current health risks and problems that might be stimulating the immune system. Men reporting five aggressive acts were 7 percent more likely to be in the top quartile than those reporting three aggressive acts. Those with eight aggressive acts were only 4 percent more likely to be in that category than those reporting six aggressive acts. Increases in aggressive behavior did not convey correspondingly higher odds of being in the top quartile. A parallel pattern was observed for B lymphocytes.

Men reported on 12 different acts of aggression ranging all the way from playing hooky twice a year or more to fights involving weapons.

in the state.

Although Kurre's key finding was that rural counties in Pennsylvania tend to have lower costs of living overall and for each of the six subindexes, not all rural places are less expensive than urban places.

"For example," Kurre said, "urban Lycoming, Cambria and Luzerne counties tend to have lower costs than many rural counties, and Pike and Monroe counties tend to have higher costs despite their rural classifications."

Kurre based his cost of living estimates on a national average of 100. Counties with cost estimates above

100 are more expensive than the national average and those with estimates below 100 are less expensive than the national average. According to his study, the cost of living index is 101.0 for Erie County, 100.6 for Crawford County, 99.9 for Venango County, and 99.7 for Warren County. Philadelphia County, with an index of 127.6, was Pennsylvania's most expensive.

The study also found that urban areas tend to be more expensive for all subindexes and overall cost of living. Geographic patterns also indicated that eastern and urban counties were more expensive in the past and still are today.

Study of infant lung defects aimed at identifying genes

Researchers from The College of Medicine are trying to identify genes that have a role in influencing lung growth and development in newborns.

Mala R. Chinoy, associate professor of surgery at the College in Hershey, said researchers are using high throughput screening technology called DNA / gene chip microarray to identify genes in the normal and abnormal lungs.

"The data collection allows us to analyze thousands of genes simultaneously," she explained. "We ultimately want to identify the candidate genes affecting specific functional and developmental pathways of lung."

Chinoy and her colleagues have a mouse model, which they use to study abnormal lung development. In the past four years, they have found several similarities between human babies born with pulmonary hypoplasia or small insufficient lungs, with coexistent congenital diaphragmatic hernia, and the mouse model that they have established. Affected human and mouse newborns have defects of heart and lung and microvasculature of the lung (network of small vessels which supply blood to the lung).

Chinoy reports that her team has recently shown low blood-plasma levels of nitric oxide in the mouse newborns, which are born with lung defects. This is the first study to show such a relationship. Nitric oxide is a molecule that is important for dilating or opening up the pulmonary vasculature to allow proper blood flow through these microvessels in the lungs, which facilitates the purification of blood through sufficient gas exchange.

Chinoy also believes that endogenous nitric oxide plays a significant role in the structural development of vasculature during the embryonic stages and low levels of nitric oxide lead to vascular smooth muscle proliferation. In the newborns, this thickened smooth muscle layer around the blood vessels in the lungs interferes with proper blood flow, thus resulting in elevated blood pressure, and respiratory distress due to hampered function of the lungs.

She hopes that the future work in this area will focus on understanding the defective embryonic development of heart, lung and blood vessel formation in lungs. More detailed work in this field will open avenues to help treat defects in unborn babies and in the long run prevent the fatal outcome of this defect in newborns.

Cost of living remains lower in rural Pennsylvania, study shows

According to a one-year study by James A. Kurre of Penn State Erie, the cost of living for residents of rural Pennsylvania continues to be lower than for urban Pennsylvanians.

Kurre, associate professor of economics, conducted the study on behalf of the Center for Rural Pennsylvania.

His study follows up on a cost-of-living report Kurre developed for the center in 1992. In addition to looking at the cost of living, Kurre's updated study reviews six subindexes: groceries, housing, utilities, transportation, health care and miscellaneous. The indexes were helpful in identifying high- and low-cost locations

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Happy New Year



Ngoni Tseumnuh, this year's dragon leader for the Chinese New Year parade on the University Park campus, leads the dragon (graduate student Hudson Chiang), out of its "cave" at the family center at Graduate Circle. Jan. 24 began the Chinese Year of the Snake. The date for Lunar New Year is determined by the Chinese lunar calendar.

Photo: Greg Grieco

United Way contributions at all-time high

The 2000 University Park United Way campaign resulted in the largest amount of money ever contributed by Penn State to the Centre County Campaign. On Jan. 24, campus campaign chair John Romano, associate provost for enrollment management and administration, announced the official total of \$568,624 at the county/campus finale. The total is above the campaign goal of \$550,000, and marks an increase of close to \$30,000 above last year's total of \$538,779.

Annual awards, categorized by employee numbers in each unit, for highest increase in dollars raised by individual contributions over last year and highest participation rate by individuals were given to the following administrative areas:

■ Highest increase in dollars raised, one to 100 employees: College of Information Sciences and Technology, Barbara Wright, team leader

■ Highest participation rate, one to 100 employees: Finance and Business, General Operations, Mike Gerber, team leader

■ Highest increase in dollars raised, 101 to 200 employees: Enrollment Management and Administration, Brett Hoffman and Kevin Armalay, team leaders

■ Highest participation rate, 101 to 200 employees: Enrollment Management and Administration, Brett Hoffman and Kevin Armalay, team leaders

■ Highest increase in dollars raised, 201 to 400 employees: Smeal College of Business Administration, Chris Fivick, team leader

■ Highest participation rate, 201 to 400 employees: University Libraries, Debbie Shelov and Kristi Jensen, team leaders

■ Highest increase in dollars raised, 401 or more employees: Finance and Business, Office of Physical Plant, Mike Gerber, team leader

■ Highest participation rate, 401 or more employees: College of Health and Human Development, Elana Pyle, Tina Myers, team leaders

Special events were held by many units, raising a total of \$35,166. Special events not only call attention to United Way and the work of its agencies, but brings in dollars to the Penn State campaign. Again this year, the Computer and Information Systems Golf Tournament, with Paul Fawcortchik as team leader, raised the most money. Other top money-raising special events included the Office of Physical Plant recycling program at Beaver Stadium and The Bryce Jordan Center and events held by the Office of Student Affairs, the College of Health and Human Development the Office of Undergraduate Education and the University Libraries.

Creative money-raising projects included: a Chesapeake Bay cruise on the boat "Seaberry," with John and Stephany Romano serving as captain and mate; T-shirt sales; picnics and potlucks; hoagie and bake sales; Halloween activities including pumpkin carvings and parties; live and silent auctions; booksales; and a sales receipt program with the Penn State Bookstore sponsoring and donating.

The University's retirees, with

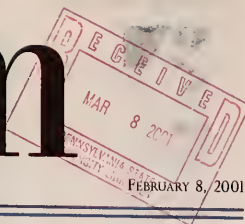
William Taylor as chair, raised \$71,357, exceeding their goal and topping last year's total by more than \$3,000.

Areas at or surpassing 40 percent participation for individual giving were: Sports Medicine, The Smeal College of Business Administration, Finance and Business-General Operations, Commonwealth College, Enrollment Management and Administration, Schreyer Honors College, University Libraries, College of Communications, University Outreach, Development and Alumni Relations, College of Health and Human Development, Office of the President, University Relations and the College of Information Sciences and Technology.

Units who exceeded their goals this year with a combination of individual giving and special projects are: College of Arts and Architecture, Arts Services, Sports Medicine, Athletics and Recreational Sports, Smeal College of Business Administration, Budget and Resource Analysis, Human Resources, University Police, Office of Physical Plant, Bryce Jordan Center, Housing and Food, Housing, Hospitality Services, College of Communications, College of Education, College of Health and Human Development, Enrollment Management and Administration, College of the Liberal Arts, Office of the President, International Programs, University Relations, Schreyer Honors College, Student Affairs, the Applied Research Laboratory, Research and The Graduate School, Eberly College of Science, Undergraduate Education and University Libraries.

Intercom

INFORMING THE PENN STATE COMMUNITY



Opening soon for e-business



Graduate students Dianne Nesbit and Michael Viola check out the equipment available to them in the new eIncubator Laboratory. The lab will officially open at 4 p.m. Monday, Feb. 12, in 9 Beam Building on the University Park campus.

Photos: Greg Grieco

Smeal to open e-Incubator Laboratory

The University will open its newest laboratory devoted to e-business on the University Park campus.

The official opening of the e-Incubator Laboratory takes place at 4 p.m. Monday, Feb. 12, in 9 Beam Building. Bobbie Landers, director of University e-Business Initiatives for IBM Global Services, and David Cassano, vice president, Wireless Solutions, IBM Corp., are among the keynote speakers for the event. A reception is scheduled for 5 p.m. outside of 104 Keller Auditorium following the event. The dedication is open to the public.

The e-Incubator Laboratory is dedicated to the study, conduct and teach-

ing of e-business in a multidisciplinary environment. The e-Incubator Laboratory is an initiative of the eBusiness Research Center, which is a joint effort of The Smeal College of Business Administration and The School of Information Sciences and Technology.

"We see this as a way to use Internet technologies to bring the real world into the classroom," said Arvind Rangaswamy, research director of the e-Incubator Laboratory.

Students at the undergraduate, graduate and doctoral levels will be using the lab under faculty guidance in various courses and independent study projects. Rangaswamy, the Jonas H. Anchel professor of marketing in the

Smeal College of Business Administration and research director of the eBusiness Research Center, was recently named as a recipient of one of IBM's Faculty Partnership Awards for his contributions to the teaching of e-commerce courses. The IBM Faculty Partnership Award recognizes and fosters novel, creative work as well as strengthens the relationships between leading universities and the IBM research and development community. The award is \$40,000 and will be used for the e-Incubator Laboratory project.

The e-Incubator Laboratory also received support through a grant totaling \$83,373 from the IBM Shared University Research program.

Faculty Senate gets blueprint for education

BY TYSEN KENDIG
Public Information

In its initial gathering of a new millennium, the Penn State Faculty Senate was presented with a blueprint for education in the 21st century and received an update on the fundraising campaign that will help meet the new challenges facing the University in the years ahead.

President Graham B. Spanier offered his customary remarks at the onset of the meeting. He touched upon Penn State's cautious approach heading into the upcoming state appropriations process, as well as the University's stake in how the state will allocate its share of tobacco settlement money. He advised that the settlement could benefit Penn State through several million dollars per year over the next two decades that may be earmarked for health-related research.

Spanier also praised the Commonwealth College for exceeding the enrollment distribution goals set five

Faculty Senate, page 2

Rao receives India's second-highest honor for civilians

Calyampudi R. Rao, holder of the Eberly Family Chair in statistics and director of the Center for



Calyampudi R. Rao

for Multivariate Analysis, has been given an award titled Padma Vibhushan, which is the second-highest civilian honor bestowed by the country of India for outstanding contributions to science, engineering and statistics.

Rao, page 3

Faculty Senate

Continued from page 1

years ago when the University moved toward providing baccalaureate opportunities at each campus location. He cited a decline in transfers to University Park of 26 percent, which has allowed campuses to admit high-quality freshmen and increase retention and graduation rates.

Those strong numbers provided a good segue into an informational report on A Grand Destiny: The Penn State Campaign. Rodney Kirsch, vice president for development and alumni relations, reported that more than 88 percent of the \$1 billion goal announced at the campaign kickoff on July 1, 1996, has been obtained. In 2000 alone, \$171 million in gifts was received by the University, and pledges made during the year raise that total to more than \$200 million.

A particularly successful facet of the campaign has been the faculty-staff drive, which already has brought in \$25.35 million in gifts—more than \$5 million over the goal—and garnered a 46.53 percent participation rate University-wide. In addition, the campaign has helped bolster the University's endowment by \$43.4 million since 1996. According to Kirsch, the next step in the campaign is to reassess original goals and explore new philanthropic initiatives that involve women, young alumni and Wall Street investors.

Senators also received a follow-up report on UniSCOPE 2000, which originally was outlined at a meeting last September. UniSCOPE, which now stands for Unified Scholarship Concept for Overall Professional Evaluation, is a multidimensional model of scholarship for the 21st century that recognizes the three missions of the University—teaching, research, and service—as an integrated continuum of scholarship. The model is intended to identify, assess and reward the diverse types of scholarship within the University.

"At Penn State, more than 1,600 faculty and staff provide outreach programs," said Drew Hyman, professor of public policy and community systems, who presented the fundamentals of UniSCOPE 2000. "This level of involvement creates a pressing need to identify and evaluate faculty outreach activities so they can be properly acknowledged and rewarded."

In other business, senators approved recommendations for the hiring of faculty off the tenure track and a plan to enhance the recognition and benefits extended to emeritus/reired faculty. Both items aim to increase support of new and retired faculty members through the allocation of more adequate professional resources and more appropriate promotion and use of faculty expertise.

The Senate also passed a plan for the development of an ecologically sustainable University, which focuses on measures to conserve and protect natural resources and reduce pollution associated with the burning of fossil fuels.

No early spring this year



A few days with temperatures above freezing plus some recent rain melted much of the snow on the University Park campus. On Groundhog Day, legendary weather prognosticating groundhog Punksutawney Phil said the milder weather won't last, however. He saw his shadow when he emerged on Gobbler's Knob, predicting six more weeks of winter.

Photo: Greg Grieco

PRIVATE GIVING

First graduate fellowship established in IST



THE
PENN STATE
CAMPAIGN

The School of Information Sciences and Technology (IST) now can offer its first fellowship specifically earmarked for graduate students, thanks to Jordan H. Rednor of Great Neck, N.Y.

He created the Jordan H. Rednor Graduate Fellowship through a \$100,000 gift to the University. The donation targets first-year doctoral students in IST with a record of academic excellence. News of the fellowship comes as IST begins recruiting for its first class of doctoral candidates.

Rednor, a Penn State alumnus, is president and chief operating officer of DraftWorldwide, one of the nation's top 20 advertising firms and a leading integrated global marketing communications company. Specializing in direct, promotional and digital marketing, DraftWorldwide has offices in 27 countries and billings of more than \$3 billion.

IST plans to admit the first students to its doctoral program this fall, while the school's professional master's program is being readied for 2002.

Penn State Fayette to hold series of events for Engineering Month

February is home to National Engineer's Week, and in honor of that, Penn State Fayette faculty member David Meredith is making February Engineering Month for the third year in a row.

Meredith, associate professor of general engineering in the Building Environmental Systems Technology program at Penn State Fayette, along with fellow faculty and students in the program, organized a full schedule of events for the month, of interest to students in high school and college.

"Girl! Power! Aiming for Diversity, Engineers Target Girls" is the theme for National Engineers Week, and Penn State Fayette also will focus on the many uses of electricity and electronics in engineering in the exhibits, open houses, presentations and field trips throughout the month.

"Only a few girls consider math and science as career and education choices," said Meredith. "We have to change that if the U.S. is to continue as the world leader in these fields. We have to keep girls interested in math and science all the way through high school and into college."

Since national statistics show that girls start lagging behind boys in

math skills while they are in junior high, this year's program will focus on that age group to change that trend.

Throughout February, the girls in the program will interact and learn about the magic of electrons in engineering and engineering technology through the following events:

- Feb. 14, 6:30-8 p.m.: "Global Positioning Satellites and Surveying" by Fayette Engineering;
- Feb. 21, 1-2 p.m.: Satellite download from National Technological University on "Discover Engineering";
- Feb. 22, 6:30-8 p.m.: Engineering open house, open to the public;
- Feb. 28, 3:30-5 p.m.: Tour of biomedical applications at Brownsville Hospital;
- March 7, all day: Field trip to NanoFabrication Manufacturing Lab at University Park;
- March 20, 6:30-8 p.m.: Tour of Hatfield Power Station.

For more information, call (724) 430-4268.

John Biggers, Penn State murals creator, dies at 76

John T. Biggers, 76, a pioneering black muralist who became known for his work in profiling the African-American experience, died Jan. 25 in a hospital in Houston.

Biggers received a bachelor's degree in art education and master's and doctoral degrees in art history from Penn State and created murals in Sparks Building and in the Robeson Cultural Center on the University Park campus.

He founded the art department of what is now Texas Southern University in Houston in 1949. He directed the department and served on its faculty until retiring in 1983 to devote his time to his artwork. He had gained national attention in 1943, when his mural "Dying Soldier" was included in the landmark exhibition "Young Negro Art" in New York's Museum of Modern Art. After he settled in Houston, his artwork, which was inspired by Mexican political muralists, became part of the landscape of Lone Star schools and businesses.

For an obituary, check the Washington Post Web site at <http://www.washingtonpost.com/wp-dyn/articles/A59923-2001Jan25.html>. For information on his art and teaching, go to <http://www.artsdnet.getty.edu/ArtsEdNet/Resources/Biggers/>.



Awards

University's PENNTAP earns multiple major awards

The University's Pennsylvania Technical Assistance Program (PENNTAP) has been named the Pennsylvania Economic Development Association's (PEDA) Economic Development Partner of the Year for 2000, the first year for the award.

PEDA is a professional organization of regional, county and state economic developers; utility executives whose primary responsibility is area development; industrial development authority directors; operators of industrial incubators; chamber of commerce executives; and municipal directors of development.

During PEDA's fall conference, PENNTAP was honored for innovation in helping businesses statewide improve their competitiveness; implementation of technical assistance programs for small companies that do not have their own resources; and an economic impact in Pennsylvania of \$9.9 million over the last year.

In addition, PENNTAP has won two Outstanding Project of the Year awards from the National Association of Management and Technical Assistance Centers (NAMTAC).

Two PENNTAP technical specialists who helped businesses in central and southern Pennsylvania were recently presented with the awards at NAMTAC's annual awards banquet in Norfolk, Va.

John Fletcher, a forest products specialist at PENNTAP's University Park office, won in NAMTAC's technology transfer category. Fletcher assisted Appalachian Wood Products, a company in Clearfield that manufactures cabinet doors for the kitchen and bath industry.

Appalachian Wood Products was experiencing a 22 percent rejection rate from their panel department because the panels were coming apart at the joints. Working one-on-one with the company's engineer, Fletcher recommended several process and environmental improvements that helped the company reduce its rejection rate to 8 percent. The changes saved the company \$665,000, and Fletcher estimated that the savings will increase to approximately \$1 million a year.

A project by Warren Weaver, senior technical specialist based at PENNTAP's York office, was named outstanding in NAMTAC's special assistance category.

Weaver worked with a food processing company in south central Pennsylvania.

Weaver, along with a team of two professors and two graduate students from the environmental engineering department at Penn State Harrisburg, evaluated the company's processes and procedures and provided technical assistance as part of a pollution prevention grant program. The goal of the program, funded by the U.S. Environmental Protection Agency, was to help firms become sustainable by minimizing their waste quantities and environmental impact. After spending \$40,000 to implement some of the process improvements recommended by the PENNTAP team, the company saved \$962,000 the first year. The company also reported that the team may have prevented a plant closure, possibly saving 250 jobs.

PENNTAP is a federal-state-university partnership that provides free technical assistance and information to businesses in Pennsylvania. For more information about PENNTAP, check the Web at <http://www.pennnap.psu.edu/> or call Jack Gido at (814) 865-0427.

Penn Staters of the Quarter named in Commonwealth College

Following are the recipients for the October-December Penn Stater of the Quarter awards. The awards are given to faculty, staff and students at Commonwealth College campuses in recognition of their outstanding service to the University.

Penn State Beaver

Carol Schafer, assistant professor of theatre arts. Schafer organized the campus theatre group (Masquers) in support of campus recruiting and community relations. She facilitated several hundred high school students' visits to the campus to view the play she had written, and invited admissions to offer information and campus tours to the students.

Penn State Delaware County

Francine Stackhouse, administrative assistant to the CEO. This award is given posthumously to Stackhouse, who died in December. She is honored for giving her best to the campus; interacting with community leaders, implementing events and organizing office workflow.

Penn State DuBois

Rebecca Pennington, Student Life coordinator. In addition to her regular duties, Pennington served as interim financial aid coordinator from September through December — the very

busiest time in financial aid. She juggled these responsibilities in a mature and focused manner and has been able to bring the campus through the August-December time-frame with minimal disruption, particularly in the financial aid area.

Penn State Fayette

Cheryl H. Duncan, staff assistant in Student Affairs. Duncan is recognized for the outstanding manner in which she performs her duties as primary contact for campus visitors. She also is visible at dozens of charitable activities and community events; notable during this quarter was her involvement with the Salvation Army bell for the kettle drive.

Penn State Hazleton

David Sosar, instructor in political science and evening administrator. In addition to giving quality instruction, Sosar is the face of the campus to evening students and faculty. He is a valuable academic adviser, available on demand to evening students.

Penn State McKeesport

Merwin Weed, professor of engineering. Weed's support to the campus reaches beyond his academic contributions. Merwin donated his time and effort to arrange, organize and collect items for the Annual United Way Flea Market. He also extended his volunteer

efforts by his participation as a member of the campus Grand Destiny Campaign Committee.

Penn State Mont Alto

Donna Weber, staff assistant. Weber is honored for her contributions this past quarter in coordinating the Early-to-College Program. Her involvement has improved communications with students and their families and streamlined the flow of paper work. With her improvements, school guidance counselors have mentioned how much better processes are now.

Penn State New Kensington

Wayne Smouse, instructor and coordinator of the IST program. Smouse spearheaded the implementation of the IST program. He has been instrumental in creating a partnership with Community College of Butler County and in offering the Webmaster Certificate Program. In addition, he created a database for admissions and Continuing Education, simplifying their record-keeping and tracking system.

Penn State Shenango

Louise Brydon, staff assistant in Academic Affairs. Brydon performed two jobs: her own and a vacant position of faculty secretary. She performed the dual roles with her usual expertise, grace and good humor.

Penn State Wilkes-Barre

Margie Esopi, admissions counselor. Although she works part time, Esopi's level of activity in recruiting is exceptional. She combines a high degree of professional competence with a caring personal touch, and is a part of the "glue" of the campus. A student identified her as one person he could always count on for getting the answers he needed — but more importantly, he knew that she really cared about him as a person.

Penn State Worthington Scranton

Tim VanDoren, engineering student. VanDoren's dedication and hard work were instrumental in reviving the Veterans' Club, of which he is president, and its annual veterans' breakfast. He has been successful in obtaining media coverage and fund raising to refurbish the Veterans' Memorial on campus.

Penn State York

Alana Werner, staff assistant in Business Services. Werner is the person who makes sure everyone at York gets a paycheck. Whether it's IBIS forms, benefits and health insurance questions, physical plant requests or safety and security issues, Werner accomplishes it all with an eye on the end result — the good morale of the faculty and staff of the campus.

Rao

Continued from page 1

Indian officials announced the country's civilian awards Jan. 25, on the eve of the country's Republic Day festivities.

Rao is internationally acknowledged as one of the pioneers who laid the foundation of modern statistics, as well as one of the world's top five statisticians with multifaceted distinctions as a mathematician, researcher, scientist and teacher. His pioneering contributions to

mathematics and statistical theory and applications have become part of graduate and postgraduate courses in statistics, econometrics, electrical engineering and many other disciplines at most universities throughout the world.

He has received numerous awards and medals for his pioneering contributions to statistics. In addition, he has been honored by the Indian government

as the namesake for a national award to be presented to the country's outstanding young statisticians. He is a member of the National Academy of Sciences (U.S.A.), a Fellow of the Royal Society (England) and recipient of 23 honorary doctoral degrees from universities in 14 countries around the world.

Rao has been a member of the Penn State faculty since 1988. He earned a

doctoral degree from Cambridge University on the basis of published work in statistics, in 1965. He earned his initial doctoral degree in statistics from Cambridge University in 1948. He earned a master's degree in statistics from Calcutta University in India in 1943 and a master's in mathematics from Andhra University in India in 1940. In both instances he graduated first in his class.



Arts & Entertainment

Music competition winners

The future of classical music will take center stage when the Center for the Performing Arts presents violinist Ju-Young Baek and pianist Paavali Jumpanen — winners of the 2000 Young Concert Artists International Auditions — at 8 p.m. Saturday, Feb. 10, in Eisenhower Auditorium, University Park.

Baek and Jumpanen are among five first-place winners chosen from a field of 422 applicants from 54 countries.

Tickets are \$15 for general admission; \$12 for students; \$2 for University students; and \$8 for children 12 and younger. For tickets, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849 or check the Web at <http://www.cpa-psu.edu/>.

Black History Month concert

In honor of Black History Month, "A Celebration of African-American Spirituals" will be presented at 8 p.m. Friday, Feb. 9; at 8 p.m. Saturday, Feb. 10; and at 4 p.m. Sunday, Feb. 11. All three performances will be held in the School of Music's Esber Recital Hall on the University Park campus.

The Feb. 9 performance will feature a number of guest artists including soprano Oriyana Lineberger, tenor Jason Lamar Yates and tenor Christian Seay. The Penn State Glee Club also will perform. The Feb. 10 concert will feature soprano Susan Boardman, associate professor of music; the Oriana Singers; and the University Choir. On Feb. 11, tenor Jason Lamar Yates, soprano Oriyana Lineberger, and Essence of Joy will perform.

Tickets are required. For ticket information, call (814) 865-0431.

Bach's Lunch

Three double reed ensembles, directed



Senayit Mesfin and Sassy Ross, both African studies majors, work on a hut which will be part of the exhibit "Contemporary Arts and Crafts in Africa." The collection is donated for the exhibit by Christine Ahmed-Said, assistant professor of African studies.

Photo: Greg Grieco

by Timothy Hurtz, associate professor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Feb. 15, in the Helen Eakin Eisenhower Chapel

on the University Park campus.

The ensembles include students from the oboe and bassoon studios of Hurtz and Daryl Durrant, associate professor of

music. The students performing are Virginia Kim, Stefanie Hauck, Anna Matthews, Melissa Norton, Corrie Mast, Stacey Poorman, Wendy Richardson, Sara Thompson, Debra Wolfe, Becky Wronski and Joshua Hunnex.

After the free concert, audience members may take their bag lunches to the Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

'Historic Penn State' exhibit

"Historic Penn State" is on display near the arrival area at the University Park Airport. It showcases photographs and artifacts from the University Archives, located in The Eberly Family Special Collections Library, 104 Paterno Library. Along with original photos, there are postcards and artifacts: a brick from the Armory and a door knob, roof slate and clock arm from the original Old Main, which was torn down in 1929.

The exhibit will remain on display through March 30. For more information, call the Special Collections Library at (814) 865-1793.

Images 2001

The Central Pennsylvania Festival of the Arts has issued a call for entries for Images 2001, its 13th annual juried exhibition of fine art.

Images 2001 will hang from June 19 through July 19 in the Robeson Gallery at the HUB-Robeson Center on the University Park campus. Frederick R. Brandt, a Penn State alumnus, will serve as the juror.

Entries must be postmarked by March 9.

For more information about Images 2001, call the Central Pennsylvania Festival of the Arts at (814) 237-3682, e-mail at images@arts-festival.com, or the Web at <http://www.arts-festival.com>.

UNIVERSITY PARK CALENDAR

February 9 - February 18

SPECIAL EVENTS

Friday, February 9

"An Interlude in Giverny," gallery talk, by Dana Carlisle Kleitich, noon, Palmer Museum of Art.

Saturday, February 10

The Blue Collar Comedy Tour, starring Jeff Foxworthy, Bill Engvall, Ron White and Larry the Cable Guy, 8 p.m., The Bryce Jordan Center.

Sunday, February 12

"Spring Creek — Living in a Watershed," video, 12:05 to 1 p.m., 105 Oaklee.

Wednesday, February 14

"Diamond Deception," video, 12:05 to 1 p.m., 105 Oaklee.

MUSIC

Saturday, February 10

Ju-Young Baek, violinist, and Paavali Jumpanen, pianist, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Friday, February 16

"Carnival," musical, by Michael Stewart and Bob Merrill, through Feb. 24. For tickets, call (814) 863-0255.

SEMINARS

Friday, February 9

Stephen Stout on "Synthesis, Characterization and Cation Selectivity of Expandable Micels," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Simon Branner on "Killing Tradition: Children and Guns at the Hugins Pigeon Shoot," 4 p.m., 301 Steidle.

Saturday, February 10

Ken Weiss on "Reflections on a Golden Age: Challenge Amid Success in Human Genetics," 11 a.m. to 12:30 p.m., 101 Thomas.

Monday, February 12

Kurt Gibble on "Quantum Scattering in Atomic Fountains," 3:30 p.m., 339 Oavey Laboratory.

Oavid Cassano on "e-Business," 5 p.m., 104 Keller.

Tuesday, February 13

Henry Ashbaugh on "Water: A Stage for Self-Assembly," 10 a.m., 140 Fenske Laboratory.

Jouni Kuha on "Approaches to Statistical Model Selection," noon to 1 p.m., 406 Oswald Tower.

Oavid Weiss on "Experiments with Cold Atoms in Optical Lattices," 3:30 p.m., 339 Oavey Laboratory.

Sara Parks on "The Future of Professional Educational Programs: Trends and Strategies," 4 p.m., S-209 Henderson.

Wednesday, February 14

Albert Libchaber on "What is Life: A Historical Perspective," 8 p.m., 117 Osmond Laboratory.

Thursday, February 15

Jayne Jamison on "Success: What Can be Learned and What Can't," 11:30 a.m. to 1 p.m., Ballroom, The Nittany Lion Inn. For tickets, call (814) 865-7590.

Gerald E. McCleam on "Nature, Nurture and Health," 4:30 p.m., 101 Health and Human Development East.

Albert Libchaber on "Control of Molecular Information Algorithms in Biology," 4 p.m., 117 Osmond Laboratory.

Joseph G. Cannon on "Exercise and Gender," 4:30 p.m., 12 Walker.

Friday, February 16

Albert Libchaber on "Molecular Evolution in

the Laboratory," 11 a.m., 117 Osmond Laboratory.

Michele Mozzo on "The Structure of the Speaker's Lexicon," noon to 1:15 p.m., 202 Rackley.

Ciara Cohen on "International Collaboration and Engagement in Agriculture: Responding to Local Needs and a Global Policy Agenda," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Rodney Erickson on "A View from the Provost's Window," 4 p.m., 301 Steidle.

Saturday, February 17

Keith Cheng on "Genetics and Functional Genomics: What We Can Learn About Cancer from Mutant Zebrafish," 11 a.m. to 12:30 p.m., 101 Thomas.

For a full listing of Outreach Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Focus on Research

Consumers will buy 'green' milk

KIM DIONIS
College of Agricultural Sciences

People are concerned about protecting water quality and some even are willing to pay for it, said a scientist in the College of Agricultural Sciences.

The Environmental Quality Initiative Inc. — a collaboration between Penn State, the Chesapeake Bay Foundation, the Pennsylvania Association for Sustainable Agriculture, the Rodale Institute and the U.S. Environmental Protection Agency — tested people's willingness to purchase milk in an eco-labeled milk carton, "with successful results," said Les Lanyon, professor of soil fertility.

With support from a Pennsylvania Department of Environmental Protection grant, Chesapeake Milk hit the shelves in 1998. Produced by dairy farmers in southeastern Pennsylvania, the milk in specially marked cartons was test-marketed for more than a year at Fresh Fields grocery stores in Pennsylvania, Maryland, northern Virginia and Washington, D.C.

"When consumers purchase Chesapeake Milk, dairy farmers who are doing a good job of protecting water quality receive a premium," Lanyon explained. "A nickel per half-gallon goes directly to these farmers."

To participate, farmers undergo a yearly evaluation that examines how well farmed structures and management practices protect water quality on the farm. The evaluation, performed by Leon Weber, Rodale Institute's on-farm coordinator, looks at six areas around the dairy farmstead, such as whether cows are kept out of streams, how barnyard runoff is managed and how pesticides are stored and handled. So far, 20 Pennsylvania dairy farmers have participated.

"Agriculture is still considered by many to be the No. 1 cause of non-point source pollution," Lanyon explained. "Historically, government cost-share programs paid for some of the cost of water quality protection on



Les Lanyon, professor of soil fertility, checks his list of things to look for in preventing dairy farm barnyard runoff and maintaining water quality.

Photo: Greg Glesco

farms to reduce the 'burden' on farmers. But many people have become disillusioned with the level of environmental quality resulting from this approach. Other methods, such as direct regulation, are likely to be implemented.

"Typically, regulations specify conditions that must be met or practices that must be installed," he said. "To deal with additional costs, farmers often have to increase milk production or increase the number of cows they milk. This could accelerate the evolution of farms in the 'get bigger or get out' direction and does little to preserve small, family farms."

This issue is particularly serious in Pennsylvania, which ranks fourth in the nation in milk production and where average herd size is only two-thirds of the national average. Lancaster County, where the dairy herds are smaller than the state norm, has the highest dairy cow population per square mile in the United States. At the same time, more than half of the state — including Lancaster County — contributes freshwa-

ter to the Chesapeake Bay.

"Manure and sediment that are allowed to run off from Pennsylvania farms can cause serious problems in the bay," said Turner Odell, staff attorney for the Chesapeake Bay Foundation. "It is important that we encourage farmers to use environmentally sensitive practices that protect water quality, but we also understand that these practices must be economically sustainable."

The group learned that introducing an eco-labeled product is not without its challenges. "It's not easy to achieve buy-in from players in the food system whose agendas may not include environmental protection," Lanyon said. "It's also not easy to communicate new ideas to milk consumers."

"However, we learned that dairy farmers are very interested in this effort. Top government officials also supported the concept. And consumers purchased enough of the Chesapeake Milk for premiums to go back to farmers."

Women reactly differently than men to stress

A research team that includes a University assistant professor of biobehavioral health, Laura Cousino Klein, has identified a broad biological and behavioral pattern that explains a key method women use to cope with stress.

"It seems that rather than responding in a fight-or-flight fashion when threatened, fearful or stressed, women may more often tend-and-befriend," she said. "Women are more likely to protect and nurture their young and turn to family and friends for solace when they are stressed."

That's a key finding from a UCLA study, which Klein participated in as a postdoctoral scholar. Its findings are based on an analysis of hundreds of biological and behavioral studies of response to stress by thousands of humans and animal subjects.

"This 'tend-and-befriend' pattern is a sharp contrast to the 'fight-or-flight' behavior pattern that has long been considered the principal method for coping with stress by both men and women," Klein noted. "The hormone oxytocin might be the key. It is well known that oxytocin is released during childbirth and lactation. But, in terms of biobehavioral stress research, it has been overlooked. Oxytocin, in fact, is a mood regulator. Studies show that oxytocin decreases anxiety and depression, and promotes an affiliation or friend-seeking response in females."

If a woman is stressed, she may get a quick burst of the stress hormones epinephrine, norepinephrine and cortisol. Then comes oxytocin. The female hormone, estrogen, enhances oxytocin's role, and the tend-or-befriend response in women, while the male hormone testosterone appears to enhance fight-or-flight in men.

This is the first new model to describe people's stress response patterns in more than 60 years. Almost all the stress response studies in the past have been conducted on males and so, therefore, upheld fight-or-flight as the main response to stress.

Researchers: Majority of angioplasty complications occur within 18 hours of surgery

About 500,000 angioplasty procedures are performed each year in the United States to help people with heart disease. Researchers at the College of Medicine in collaboration with several other universities have found that more than 80 percent of complications from the procedures occur within 18 hours of treatment.

"This is important information for hospitals that keep patients several days," said Ian Gilecht, associate professor of medicine in the College of Medicine and a cardiologist at The

Milton S. Hershey Medical Center. "They may not need to keep patients this long."

Gilecht and his team participated in and used data from the ESPRIT trial for this study about complications. The ESPRIT trial was a North American clinical trial testing the dose needed for an intravenous platelet inhibitor medicine, sometimes known as a super aspirin, called eptifibatide.

The medication is designed to reduce blood clots that commonly cause complications during heart pro-

cedures. The study enrolled 2,064 patients.

"For years physicians would say there is about a 10 percent complication rate for angioplasty or stenting. We wanted to find out exactly when in those 30 days the problems occurred," Gilecht said.

Complications occurred in 178 patients and included heart attack, additional surgery or death. Gilecht found that 82 percent of those complications occurred within 18 hours with most of these complications occurring

right at the time of the procedure.

"We found that despite the use of stents or antiplatelet therapy, complications are still common with the procedure," he said. "Also, all of the patients enrolled in the trial had to be relatively stable, so the extremely ill patients did not even participate."

Gilecht said he thinks future research needs to be focused on high- and low-risk subsets of patients to target early complications and focus the intensity and length of therapy based on the needs of the individual patient.



Lectures

Challenges in genomics topic of talk

Ken Weiss, Evan Pugh professor of anthropology and genetics, will present a lecture titled "Reflections on a Golden Age: Challenge Amid Success in Human Genetics" from 11 a.m. to about 12:30 p.m. Feb. 10 in 100 Thomas Building on the University Park campus.

His lecture is the fifth of six lectures during the 2001 Penn State Lectures on the Frontiers of Science, organized under the theme of "Decoding Life's Instruction Book: reasons for those difficulties and to address the challenges scientists face in making predictions from genes.



Ken Weiss

Genetics and Genomics."

While many scientists view the human genome as the blueprint from which reliable predictions can be made about our health and other aspects of our lives, biological complexities make such predictions a difficult and frustrating task. With his lecture, Weiss plans to outline the reasons for those difficulties and to address the challenges scientists face in making predictions from genes.

Physical science lectures set for Feb. 14-16

Albert Libchaber, the Delavé W. Bronk professor of physics at Rockefeller University, will present the 2001 Russell Marker Lectures in the Physical Sciences from Feb. 14-16 at University Park.

The schedule includes a lecture intended for a general audience, titled "What is Life? A Historical Perspective," at 8 p.m. Wednesday, Feb. 14, in 117 Osmond Laboratory. He also will present two



Albert Libchaber

specialized lectures — "Control of Molecular Information: Algorithms in Biology" at 4 p.m. Thursday, Feb. 15, and "Molecular Evolution in the Laboratory" at 11 a.m. Friday, Feb. 16, both in 117 Osmond Laboratory.

The Marker Lectures were established in 1984 through a gift from the late Russell Earl Marker, professor emeritus of organic chemistry.

Marine biologist looks at coastal biodiversity

Jane Lubchenco, professor of marine biology and distinguished professor of zoology at Oregon State University, will speak on "Coastal Biodiversity and Marine Reserves: A New Interface between Interdisciplinary Sciences and Policy" in the Life Sciences Consortium Colloquium at 4 p.m. Feb. 13.

The colloquium will be video-confer-

enced from 101 Thomas Building to Lecture Room D at The Hershey Medical Center.

Lubchenco is a Pew Scholar in conservation and the environment, MacArthur Fellow and past president of the American Association for the Advancement of Science and the Ecological Society of America.

Lecturer to explore 'Small is Different'

The annual Distinguished Materials Physics Lecturer Series will feature Uzi Landman, the Regents' and Institute professor of physics at the Georgia Institute of Technology, at 4 p.m. Thursday, Feb. 22, in 117 Osmond Laboratory on the University Park campus.

He will present a lecture titled "Small is Different: From Electrons to Nanojets."

Landman, who also is director of the Center for Computational Materials Sci-



Uzi Landman

ence and holder of the Fuller E. Callaway chair in Computational Materials Science at Georgia Tech, will discuss how the properties of materials sometimes change at small sizes, resulting in chemical and physical behavior that differs from that of the same materials at larger sizes. He will discuss the impact of shape on such properties and will outline how research on such issues might impact future technologies.

Process Education workshop set for March 1

An interactive workshop focused on the development of quality learners through Process Education will be held from 8 a.m. to 5 p.m. Thursday, March 1, in Ballrooms A and B of The Nittany Lion Inn on the University Park campus.

Process Education is an educational philosophy focused on improving students' learning skills. Dan Apple, founder and president of Pacific Crest, an educational consulting and publish-

ing company, will present the workshop. Apple's background is in interdisciplinary problem-solving.

To register, call the Teaching and Learning Consortium at (814) 865-4442 or e-mail gtdk10@psu.edu by Feb. 10. Lunch is included and a reception will follow at the Faculty/Staff Club. The event is open to all faculty. For more information, check the Web at <http://www.pcrest.com>.

Speaker to discuss health-care rationing

Dr. Peter A. Ubel, associate professor of medicine at the University of Michigan and author of *Pricing Life: Why It's Time for Health Care Rationing*, will give the Fourth Annual Stanley P. Mayers Endowed Lecture at 7 p.m. Thursday, Feb. 15, at The Penn State Conference Center Hotel, University Park. A physician and bioethicist, Ubel is an internationally recognized speaker whose analysis of the need for health care rationing has implications for phys-

cians, insurance companies and patients, as well as for the role of government. He says there is an appropriate role for cost-effective decision making in the provision of care by physicians, and that physicians should be trained to deal with the moral and ethical issues that will enable them to decide when, and how, to withhold care.

The lecture is free to the public. For registration, call (814) 863-5421 or e-mail ejk1@psu.edu

BOOKSHELF

Lonnie Golden, associate professor of economics at Penn State Delaware County
Working Time: International Trends, Theory and Policy Perspectives, published by Routledge Press, London, N.Y.

Golden co-edited this book with **Deborah Figart**, professor of economics at Richard Stockton College. The volume presents a comprehensive analysis of current trends, explanations, measurement issues and policy options regarding work time. It links discussions of overwork, underemployment, shortening of the work week, unpaid work time and flexible work practices, emphasizing the differential distribution of work hours across countries, demographic groups, occupations and industries.

Sridhar Komarneni, professor of clay mineralogy
Nanophase and Nanocomposite Materials III, published by the Materials Research Society, Warrendale, Pa.

Komarneni is co-editor of the book, which compiles papers from 23 countries. The book is the result of a symposium held by the Materials Research Society.

George Looney, assistant professor of English and creative writing at Penn State Erie
Attendant Ghosts, published by Cleveland State University Press.

This is a second collection of poetry from Looney.

Pat Shipman, adjunct professor of anthropology
The Man Who Found the Missing Link, published by Simon and Schuster.

The book is a biography of the life of Eugene Dubois, the Dutch anatomist who in 1887 set out to find the transitional ape-man that would prove Darwin's theory of evolution. Dubois found the missing link he called *Pithecanthropus erectus* — now known as *Homo erectus* — in Java in 1891-1893. Unfortunately, *Pithecanthropus* did not fit the general preconceived notion of what a missing link should have looked like or where it should have lived. So Dubois, once scorned for quitting his professorship to "follow Darwin's crazy idea," later found his conclusions challenged by the scientific community in Europe. He was eventually vindicated more than 30 years later.

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Appointments

Loomis to lead the University's World Wide Web effort

Frederick D. Loomis, director of the Solutions Institute in the School of Information Sciences and Technology (IST), has been selected to lead a University-wide effort to guide the implementation of strategies for more effective uses of the World Wide Web across the University's multiple missions.

Serving formally as the special assistant to executive vice president and provost Rodney A. Erickson, Loomis will work with a team of staff and faculty members from key stakeholder units to lay out specific strategies for Web implementation, and make recommendations concerning the World Wide Web-related actions and investments to advance the University's academic and administrative interests over the next several years.

The final report issued by the University Web Strategies and Directions



Frederick D. Loomis

Task Force will provide a road map for this process.

In his new role, Loomis also will be one of the key members of the Web Strategies Implementation Steering Committee. Chaired by Erickson, the committee will be made up of budget executives whose units are most influenced by Web implementation.

He will continue to serve as director of the IST Solutions Institute, a position which he has held for nearly a year.

A Penn State alumnus with advanced degrees in higher education and public administration, Loomis has been an administrator at the University for more than 12 years. Before joining IST, he was director of administration, planning and information technology for continuing and distance education in the Office of Outreach and Cooperative Extension.

IST names associate dean for research, graduate programs

David L. Hall has been appointed the associate dean for research and graduate programs in the School of Information Sciences and Technology (IST).

Hall joins IST from the University's Applied Research Laboratory (ARL), where he served as associate director and senior scientist.

At ARL, he oversaw the 150-person Information and Network Systems Office, composed of four divisions: Information Science and Technology, Navigation Research and Development, Systems and Operations Automation, and Communications Science and Technology.

IST will formally launch its Ph.D. program this fall and is now recruiting for its first class of doctoral students. Next year, the school expects to introduce both a research-oriented master's degree program and a professional master's degree program.

Hall will be responsible for those programs as well as research grant



David L. Hall

administration, and leadership of IST faculty research efforts.

He comes to IST with more than 25 years of experience in research, research management and systems development. His personal research agenda has covered a wide variety of areas, including stellar structures, celestial mechanics, digital signal processing, software engineering and automated reasoning. Multisensor data fusion is a particular focus for Hall and his work in this area is recognized both nationally and internationally.

Hall is the author of more than 175 papers, reports, books and book chapters, and he has delivered numerous lectures on his research, research management and artificial intelligence. In addition, he has been a faculty member at Penn State and the University of Colorado and has served on the graduate-degree candidacy committees of nearly a dozen students.

Watters joins Career Development Center at Penn State Erie

Andrew E. Watters has joined the Career Development Center at Penn State Erie as associate director.

In this position, his responsibilities will include on-campus recruiting, job fairs and career counseling.

Watters has served as an admissions counselor at Penn State Erie since July 1998, working with freshman admissions and prospect information management and research. He received his bachelor's degree in psy-



Andrew E. Watters

chology from Cornell University, a master's degree in psychology from the University of Massachusetts at Amherst and a certificate of advanced study in counseling services from the State University of New York at Oswego.

Before working at Penn State Erie, he was assistant director and minority internship coordinator for experience-based education at SUNY Oswego.

NEWS IN BRIEF

'Take your professor to lunch'

"Take Your Professor to Lunch" encourages faculty and students in large classes to spend time learning more about each other outside the classroom. This semester, the program will run Feb. 12-28.

Co-sponsored by the Center for Excellence in Learning and Teaching and USG Academic Assembly since 1997, "Take Your Professor to Lunch" is designed to help break down the barriers of anonymity in classes where remembering names is a challenge and student invisibility is an obstacle to learning. Although only those in classes of 60 or more are eligible to participate, sponsors hope the program will serve as a catalyst for all faculty and students to think about new ways to reach out to one another, opening lines of communication that may be difficult to establish in any classroom.

Meal cards will be provided for eligible students who make arrangements with their instructor and four to eight classmates to have lunch together on campus. Online registration is required.

Details and complete registration information can be found on the Web at <http://www.psu.edu/celt/largeclass/take-a-prof.html>.

Graduate School information

Penn State Harrisburg is holding a Graduate School Information Night at 6 p.m. Thursday, Feb. 22, in its library.

The program is an opportunity for interested area residents to learn more about Penn State Harrisburg's 17 master's degree and two doctoral programs, all designed for the working adult.

For information, call Penn State Harrisburg Enrollment Services at (717) 948-6250 or e-mail hgbadmit@psu.edu.

Shaver's bees

Where do bears, bees and robins go during the winter? Shaver's Creek Environmental Center can help answer these, and other, questions from the Extra Junior Explorers Animals in Winter program, to be held from 10 to 11 a.m. Tuesday, Feb. 27, at the center.

G geared toward ages 3 to 6, the program will engage children in hands-on

activities that explain the behaviors of animals during the winter season. Shaver's Creek staff members will lead this active program tailored to meet the learning needs of young children.

The program costs \$3 for members or \$4 for nonmembers. The fee covers each child and an adult companion. Preregistration is required.

For more information, call (814) 863-2000 or (814) 667-3424; e-mail ShaversCreek@outreach.psu.edu or check the Web at <http://www.outreach.psu.edu/ShaversCreek/>.

Service awards

Each year the Commission for Lesbian, Gay, Bisexual and Transgender Equity presents two awards — the Outstanding Service Award and the Ally Recognition Award.

The first goes to an individual within the University community who has shown outstanding service regarding lesbian, gay, bisexual and transgender concerns.

The Ally Recognition award is presented to an individual within the University community who is identified as an ally of the lesbian, gay, bisexual and transgender community and has shown outstanding service regarding those concerns.

Nomination forms for both awards can be found on the commission Web site, <http://www.tions.psu.edu/cigbte/> or can be obtained by calling the commission office at (814) 863-7696. Nominations should be sent to Trumble T. Turner, Penn State Abington, 301B Sutherland Building, 1600 Woodland Road, Abington, Pa. 19001. Nominating deadline for both awards is March 23.

Book drop

The book drop bins at the entrance to Paterno Library on the University Park campus have been replaced by a book drop slot in Pattee Library, west, just off Curtin Road, near the bus stop.

With the improved location, patrons can pull into the driveway to deposit books. Currently, there also is a book drop slot on the mall side of Paterno Library. During open hours, patrons are asked to return books to the conveyor belt beside the main circulation desk.

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 863-3085, e-mail hmmatters@psu.edu or register online at <http://www.okr.psu.edu/web/Classic/catalog/healthmatters.cfm>.

■ Myths and Facts About Diet and Cancer Prevention — WEI 199.

(Part in a four-part series) Presenter Wendy Bollinger, registered dietitian, will review the relationship between diet and cancer, and provide participants with practical ways to lower risk through

diet and lifestyle changes. Meets noon to 1 p.m. Feb. 14 in 125 Reber Building Cost: \$5 for the class or \$15 for the series. Faculty and Staff enrolled in the Health America HMO can be reimbursed for this program.

■ Fear of Failure — WEI 233

Presenter David Conroy, assistant professor of kinesiology, will present three different ways of thinking about fear of failure and will offer some practical strategies for dealing with fear of failure and preventing it from developing in children. Meets 11 a.m. to noon Tuesday, Feb. 13 in 110 Henderson (The Living Center). Free.

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Time for a quick snack



Cashier Maria Umierrez was busy in Mackinnon's Cafe recently. The cafe is on the ground floor of Pattee Library and Paterno Library on the University Park campus.

Photo: Greg Gresco

International Festival 2001 features variety of events at University Park

The International Students and Scholars unit of the University Office of International Programs and the International Student Council with significant assistance from other organizations including the International Hospitality Council will co-sponsor the 27th annual International Festival from Feb. 10-18 on the University Park campus.

Several events have been planned, as follows:

■ **Saturday, Feb. 10:** International Coffeehouse, 7 to 9:30 p.m., Heritage Hall. The evening will feature musical and cultural performances from nine international student organizations. Light refreshments including Turkish coffee will be served. Admission is free.

■ **Sunday, Feb. 11:** "La Festa di San Valentino" gourmet Italian dinner with hosts Grace and Guy Pilato, to benefit the International Hospitality Council, 5:30 p.m. For information, call (814) 863-3927.

■ **Monday, Feb. 12:** International Speaker Series presentation. Thomas King, professor emeritus of animal

sciences, and Jeffrey Schiano, associate professor of electrical engineering, will give a lecture and presentation on "The Effort to Ban and Remove Land Mines" at noon in 222 Boucke.

■ **Wednesday, Feb. 14:** International film presentation of "The Cup" by Khyentse Norbu, 7 p.m. in 110 Wartik. The presentation is sponsored by International Students and Scholars. Admission is free. The film is in Bhutanese with English subtitles.

■ **Thursday, Feb. 15:** David Myers, associate professor of political science, will give a lecture on "The Bush administration's policy toward Latin America" at noon in the Eisenhower Chapel Memorial Lounge.

■ **Thursday, Feb. 15:** International Scholars Monthly Reception, 5:30 p.m. in 222 Boucke. A presentation will be given by visiting scholars on domestic travel and trips they have taken while in the United States. Hors d'oeuvres and light refreshments will be served. Sponsored by the International Students and Schol-

ars unit of the University Office of International Programs.

■ **Friday, Feb. 16:** The Spanish Club and the Department of Spanish, Italian and Portuguese present "A Photographic and Musical Journey through Brazil (Rio and Bahia)" from 6 to 7:30 p.m. in 158 Willard. The slide show presentation will be given by Javier Escudero, associate professor of Spanish.

■ **Sunday, Feb. 18:** International Fair and International Children's Fair. The International Fair takes place from 11:30 a.m. to 4:30 p.m. in HUB-Robeson Center Alumni Hall and Heritage Hall. The fair features food, crafts and cultural displays from around the world and represents the diverse international population at Penn State. The International Children's Fair takes place from 12:30 to 4 p.m. in 126 White Building and features children's activities from around the world. Admission is free.

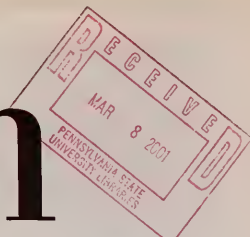
For more information about the events, call Linda Keefer at (814) 865-6348.



Intercom

INFORMING THE PENN STATE COMMUNITY

FEBRUARY 15, 2001



FDA approves U.S. clinical trials for heart assist device

The Food and Drug Administration has approved the first series of U.S. clinical trials for a new kind of heart assist device, called the Arrow LionHeart, developed by Penn State researchers in conjunction with Arrow International Inc. of Reading.

The first heart assist device powered via wireless electric transmission to reach clinical trial, the Arrow LionHeart is the result of a seven-year collaboration among researchers affiliated with the University's Artificial Organs program and Arrow. The Milton S. Hershey Medical Center is one of the sites in the clinical trials, which are sponsored by Arrow.

The Arrow LionHeart is not an artificial heart. It is a "heart helper" or left ventricle assist system for patients suf-



Walter Pae

fering from severe heart failure who are not eligible for a natural heart transplant. The patient's natural failing heart is left in place and the assist device is connected to it to boost circulation. Once the system is implanted in a patient, no wires, tubes or other connections protrude through the skin.

Under the direction of Dr. Walter E. Pae Jr., professor of surgery, and Arrow, clinical trials have been proceeding in Europe since October 1999. The Lion-

Heart has been implanted in 10 patients. The longest survivor has had the assist device for nearly a year. There have been no device failures.

Pae notes that about 4 million patients in the U.S. are victims of heart failure and nearly 400,000 new cases are diagnosed each year. Of these patients, only about 2,800 receive heart transplants.

"The LionHeart is intended to help this much larger population that is ineligible for transplant and for whom medical therapy has failed," he said.

The new heart assist device is based on an approach originated by Dr. William S. Pierce, who founded the Penn State artificial organs program, coupled with the latest in electronics and biomaterials technology. Penn State

members of the design team include Dr. Gerson Rosenberg, professor of bioengineering, Dr. Alan Snyder, associate professor of surgery, and Dr. W.J. Weiss, assistant professor of surgery, all in the College of Medicine in Hershey, as well as materials, energy and fluid flow researchers on the University Park campus.

Pumping is achieved in the heart assist device when a metal plate presses on a plastic blood sac, forcing the blood out of the sac. In the Arrow LionHeart, the metal plate is driven by a new miniature electric motor and controller that responds to a patients' changing needs during exercise and resting, for example.

Heart assist, page 2

Day care center now open at University Park

By AMY NEIL
Public Information

Laughter and songs replaced the noise of hammers and saws when the doors of the Bennett Family Center, the University's newest child care facility at University Park, opened last Thursday.

Made possible by a \$1 million donation from alumna Edna Bennett Pierce, the Bennett Family Center replaces the Cedar Child Care Center, and offers care for 120 children from birth to 6 years.

The new, 13,000-square-foot center has many amenities. There is a before- and after-school room, 10 classrooms, a staff break room, offices and a kitchen.

"We were able to take advantage of the many resources available at Penn State to make this project come together," said Wendy Whitesell, director of the Bennett Family Center. The project was coordinated by the Office of Human Resources, the College of Health and Human Development and the Office of Physical Plant. The kitchen was designed with the assistance of Pete Biordi, professor of



Anna Miller plays with Kim Brown, lead teacher, at the new Bennett Family Center on the University Park campus.

Photo: Greg Gwino

hotel, restaurant and institutional management, for staff to prepare breakfast, lunch and snacks five days a week. A horticulture class is designing the landscape for the center's playground under the tutelage of Dan Stearns.

According to Linda Pierce, coordinator of Work Life Programs, the new facility offers an ideal teaching environment.

Day care, page 3

State budget proposal falls short of University needs

By ANNEMARIE MOUNTZ
Public Information

The proposed state budget for fiscal year 2001-02 that Gov. Tom Ridge presented to state lawmakers on Feb. 6 includes an overall increase of slightly more than \$2 million for the University. The governor's proposed appropriation of \$334 million is an increase of just .62 percent over the current appropriation of \$331.9 million. Were this budget to be approved by the Legislature, it would be the University's smallest appropriation increase during Ridge's tenure.

The figure is well below the 4.25 percent base state appropriation increase sought by the University. In addition, the University is asking for a \$16 million increase for special appropriations to support the College of Medicine, the School of Information Sciences and Technology and environmental compliance.

"The process is very preliminary at this stage," said Gary C. Schultz, senior vice president for finance and business/treasurer. "It's really the first round. We still have to prepare the

Budget, page 2

Virtual University Milestone

World Campus students log on to learning

By CELENA E. KUSCH
Outreach Communications

Three years ago, the University launched its World Campus, an online learning initiative that delivers signature University academic programs to students worldwide. Recent reports about the estimated 6.3 million adults expected to enroll in online courses in the next year have led to a rash of new for-profit initiatives and visions of huge virtual "chess." By contrast, Penn State's approach has been to use the Internet to create online learning communities in courses that emphasize student interaction and active learning.

In order to maintain high-quality instruction and student support, the World Campus has focused on a dozen or so targeted programs that match University expertise with students who have a demonstrated need for flexible education offerings. Faculty have added a new group of programs and courses each semester for measured, strategic growth. And it has worked. Thus far, the World Campus has launched 20 certificate and degree programs.

"Penn State was an early leader in seizing the tools of the digital age to serve students who, by virtue of their location, work commitments or personal circumstances have limited flexibility to pursue their education," explained James H. Ryan, vice president for Outreach and Cooperative Extension.

"The World Campus extends the very best of our traditions into the Digital Age. Rich content, a high level of interaction between students and faculty, and student learner support services are key characteristics that distinguish our venture," he added.

Overwhelmingly, World Campus students agree. KayLynn Hamilton of Hyner already has completed a World Campus certificate in educational technology integration and is now enrolled in the online master's degree in adult education program.

"Because of where I live and my job, without the World Campus I would not have been able to continue my education. I couldn't do it if it wasn't online," she said.

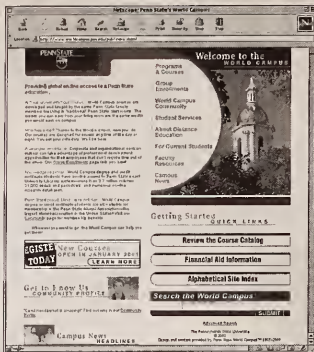
Hamilton works full time as an adult educator for the Central Intermediate Unit in rural northeast Pennsylvania, and she serves as the coordinator of the Central-Northeast Professional Development Center, which receives funding through the Department of Education. Her job takes her throughout a 21-county area planning and delivering training to adult educators in corrections, literacy and community-based adult education programs.

Although she has considerable experience instructing other adult educators, Hamilton said that the World Campus courses have reinforced her own practices and taught her more in-depth theories.

"For example, I've used online resources in my classes for years, but our instructors have led us to great Internet resources I never knew existed. The faculty has been a guiding light for us," she said.

Hamilton also noted that there was no shortage of interaction with her fellow students.

"All of my courses so far have had classroom discussions through a bulletin board. I have received thousands of messages over the course of a class, and there were times when I would spend a few hours at night just reading through my classmates' comments," she said.



The World Campus can be found on the Web at <http://www.worldcampus.psu.edu/>.

John Kopko of Flushing, Mich., praises the level of interaction his World Campus courses provided. A Lear Corp. engineer, Kopko is a student in the noise control engineering post-baccalaureate certificate program. He credits the World Campus for helping him advance ahead of schedule in his career.

"I think that working with others is really an important part of your education, not only if your education is at a university, but also where you work," he said. "The assignments that required collaboration among students certainly were an important part of the World Campus program. That part of the distance education certainly is something that needs to happen."

Gary E. Miller, associate vice president for Distance Education and executive director of the World Campus, noted that "World Campus programs are built on the idea that interaction is an essential part of a Penn State degree, especially at the upper division. We also know that learning does not take place only in the 'classroom,' even if it is a virtual classroom. Our courses emphasize active learning, in which students are actively engaged in research, problem-solving and collaboration around issues. At the same time, we want to ensure that our students — regardless of how distant they may be from Pennsylvania — are part of this community. This is a very real part of how the World Campus serves students."

According to Miller, two-thirds of World Campus students come from beyond Pennsylvania. They represent all 50 states and 27 nations. Most are adults over age 24.

The World Campus has reported enrollment growth of more than 300 percent in the last year alone, and 2000-2001 enrollments already are ahead of last year's pace. The five-year plan calls for 10,000 annual enrollments in 300 courses and 30 degree and certificate programs by 2002-2003.

the pump's operation. Should the patient want to be untethered from the external battery packs, for example, to take a shower, the internal batteries can supply power needs for a minimum of 20 minutes at a time. In addition, the wireless operation significantly lowers the potential for infection.

For more details about the LionHeart device, check the Web at <http://www.psu.edu/ur/heartdevices/> or <http://www.arrownit.com/>.

Budget

Continued from page 1

make our case to the state Legislature later this month for the needs of Penn State, its faculty, staff and students."

Ridge's proposal removes \$7.5 million in funding that was added to Penn State's appropriation last year, including \$2 million for workforce development initiatives at Penn College and \$5 million in program funding for advances in areas such as the life sciences, environmental sciences, materials science, and children, youth and families. The budget that remains is then proposed to be increased by 3 percent. The net effect is an overall increase of less than one percent.

One bright spot on the higher education front is an increase to the Pennsylvania Higher Education Assistance Agency (PHEAA). The agency would receive \$403 million, a \$17 million increase. The appropriation includes a \$22 million increase for PHEAA's ongoing Grants to Students Program. In addition, Ridge's budget would provide \$3 million for the first year of a five-year program to subsidize bonds that the state's colleges and universities issue to finance the installation of sprinklers and fire-suppression systems in student residence halls, and Ridge proposes a 33 percent increase in a graduation incentive program for schools that have a high rate of graduating students in four years or less. Penn State does not qualify for any of these funds.

The University's requested budget increase would be used primarily to support basic operating costs. Special emphases are improving faculty and staff salaries, meeting escalating healthcare costs and providing support for facilities improvements and deferred maintenance; \$13.8 million has been requested for these costs.

"The competitiveness of Penn State's faculty salaries is a concern," said President Graham B. Spanier. "Penn State salaries have continued to fall when compared to the Big Ten public institutions and to regional peer institutions."

The University's budget proposal included a 3.5 percent increase in the salary pool and additional funds for special merit. Funding such a plan would be extremely difficult under the governor's budget plan.

The third area of emphasis in the basic operating budget is funding for critical needs in three areas: the maintenance and operation of new or newly renovated facilities; deferred maintenance — the University has a backlog of major maintenance projects estimated to be more than \$192 million; and the ongoing capital improvement program. Fiscal year 2001-02 will be the third year of a six-year capital improvement program to meet the University's facilities needs.

In other expense changes, Spanier said that "We will continue our program of internal budget reductions that is part of our strategic planning process. This is the 10th consecutive year for internal budget reductions, resulting in a total of 12 percent recycling of our departmental operating budgets."

Spanier will have the chance to make a case for the University's budget needs during the Senate budget hearings Feb. 26 and the House budget hearings Feb. 27. These hearings provide legislators with an opportunity to review the specifics of each request.

At the conclusion of the hearings, a general appropriation bill is introduced in the General Assembly for discussion and debate. Once the House and Senate each pass the same version of the bill, it is sent to Ridge for his signature. The state's fiscal year begins July 1, but the Ridge administration historically has completed this process ahead of that deadline.

Heart assist

Continued from page 1

The Arrow LionHeart has both internal rechargeable batteries, which remain in the body, and an external battery pack fitted with a unique power delivery coupling. The external source, two battery packs worn on a belt, powers the motor via a transformer coil worn on the outside of the chest. When the external transformer coil is positioned over an internal transformer coil connected to the motor, it induces a current. The internal and external coils coupled wirelessly through the chest wall maintain

Day care

Continued from page 1

"The design of this building has made provisions for the highest quality programs possible," she said. "We are able to offer more square feet per child than required by the Department of Public Welfare, a state licensing agent for child care. We have indoor space for the children to run and play during inclement weather and space for staff to plan and prepare for projects."

Whitesell said national research on child-care programs has found that more space per child and better-qualified, better-paid staff determines the quality and cost of child care. The new facility, which is operated by the College of Health and Human Development, offers just that. "We are thrilled that since July, all of our teachers have full-time staff benefits and positions. When we started in 1992, everyone was in a wage payroll position."

In 1999, the Cedar child care program was granted accreditation by the National Association for the Education of Young Children. This honor is given to only 7 percent of all early-childhood programs nationwide.

The Bennett Family Center has two separate "houses," or sections in the building. Although there will be interaction between the two groups, Whitesell said the houses "will allow children to have the same teachers around them at all times and have siblings to stay close together."

The Bennett Family Center also will serve as a research and training site for faculty and students. It has four observation rooms for faculty and students to conduct child-related observation and research. Parents also may use the rooms to watch their children.

All of the staff and children from Cedar transferred to the new facility



Wendy Whitesell, director of child-care programs in the Office of Human Resources, standing at the podium, greeted the caregivers at the new center the day before it opened.

Photo: Greg Grieco

and there are currently 23 openings for children under 3 years of age. The College of Health and Human Development currently is working with the State College Area School District on transportation issues. The school district has agreed to provide transportation for the children to and from the Easterly Parkway Elementary School.

In addition to the Bennett Family Center, the College of Health and

Human Development's Child Development Lab in Henderson Building offers a full-time child-care program for 54 children between the ages of 6 weeks and 5 years. The Daybridge Child Development Center at Innovation Park, a partnership between Penn State and Children's World Learning Centers, provides care for approximately 150 infant to school-age children. Programs at Daybridge are avail-

able full-time, part-time, or before and after school.

There also are child-care facilities at Penn State Erie, Penn State Harrisburg and the College of Medicine at The Milton S. Eisenhower Medical Center. In July, Penn State Fayette will be opening an on-site center.

An official dedication of the Bennett Family Center is planned for mid-March.

University welcomes Fulbright Scholars, sends three abroad

The Fulbright Scholar Program, sponsored by the U.S. Department of State, is alive and well at Penn State. This year, three faculty members are lecturing or conducting research abroad, and six visiting Fulbright Scholars are or are planning to study and conduct research with noted scholars on Penn State's faculty.

The following are faculty members who received Fulbright grants for teaching or research abroad in the 2000-2001 academic year:

■ Chris J. Muscarella, professor of finance in The Smell College of Business Administration, is lecturing on business administration at the Portuguese Catholic University in Lisbon, Portugal. He also was the Fulbright-FLAD chair at that university this fall.

■ Donald Arthur Streit, professor of mechanical and nuclear engineering, is lecturing and conducting research on "In-Vehicle Alternative Energy Systems for Developing Countries" at Addis Ababa University in Addis Ababa, Ethiopia.

■ W. Bradley Thompson, assistant professor of communications, is lecturing and conducting research on "An Ethno-

graphic Study of Bulgarian Journalists' Attitudes Toward Legal Problems Facing the Press" at the American University in Bldgograd, Bulgaria.

The following are senior international scholars who received Fulbright grants for teaching, research and study at Penn State in 2000-2001.

■ Yuriy Andrukhovych, independent author and journalist, Ivano-Frankivsk, Ukraine, is conducting research on "American Poetry of the 1950s and 1960s: The New York School, the Beat Generation, the Black Mountain School — Translation and Interpretation." He is working with Michael Naidan in the Department of Germanic and Slavic Languages and Literature through May.

■ Jurgis Barakauskas, associate professor in the Department of General and Inorganic Chemistry at Vilnius University, Vilnius, Lithuania. He is conducting research on "Synthesis and Investigation of Functional Groups on the Surface of Activated Carbons" with Fred S. Cannon in the Department of Civil and Environmental Engineering. He will be on campus through August.

■ Dorena Caroli, the Jean Monnet Fellow, Department of History, at the European University Institute, San Domenico, Italy, is lecturing on "The Subcultures of the Young Who Are at Risk: History and Actuality of the Prevention of Young Deviants in Europe in the 20th Century."

She is working with Khalifa Bilal, senior program officer in the Office of International Programs, International Partnerships and Academic Linkages. She will arrive later this semester and will be on campus through May. Her visit also is sponsored by the European Union Scholar-in-Residence Program.

■ Farouk Fares, professor in the Department of Soil Science and Land Reclamation at the Faculty of Agriculture, Damascus University, Damascus, Syria. He is conducting research on "The Environmental Impacts of Reuse of Treated Urban Wastewater for Irrigation on Soil Quality," and is working with Jean-Marc Bollag in the Department of Biochemistry. He will be here through June.

■ Ibtissam Hamad, professor in the Department of Microbiology and Plant Biology in the Faculty of Science, Univer-

sity of Damascus, Damascus, Syria. He is conducting research on "Bioremediation and Phytoremediation of Polluted Soils and Waters," and is working with Jean-Marc Bollag in the Department of Biochemistry through June.

■ Eiji Wada, administrative official in the Student Affairs Department of Shimane National University, Shimane, Japan, is a Fulbright LEAP scholar. Wada is observing the University Office of International Programs to broaden his knowledge and skills about international and cultural education exchange. He will be on campus through May.

This year, approximately 800 U.S. faculty and professionals received Fulbright grants to lecture or conduct research abroad in approximately 140 countries. A similar number of visiting scholars received awards to come to the United States. The program is administered by the Council for International Exchange of Scholars. Penn State's contact for Fulbright Scholars is John M. Keller, (814) 863-1603. For information, check the Web at <http://www.international.psu.edu/fulbright/> and <http://www.cies.org/>.



Lectures

Talk examines zebrafish role in research

Keith Cheng, associate professor of pathology, will present a lecture titled "Genetics and Functional Genomics: What We Can Learn About Cancer from Mutant Zebrafish" from 11 a.m. to about 12:30 p.m. Feb. 17 in 100 Thomas Building, University Park.

His presentation concludes the 2001 Penn State Lectures on the Frontiers of Science, a six-lecture series organized under the theme of "Decoding Life's Instruction Book: Genetics and Genomics."

Cheng, a member of the Jake Gittlen



Keith Cheng

Cancer Research Institute at the College of Medicine in Hershey, plans to provide a historical perspective of genetic research and to outline different types of genetic approaches in research. He plans to discuss how scientists use the zebrafish for genetic research to learn how cells function and interact.

The lectures are free to the public. For information, call (814) 863-8453, e-mail at science@psu.edu or check the Web at <http://www.science.psu.edu/alert/news.html>.

Session focuses on classroom suggestions

The V.O.I.C.E. Box presentation, "Active Learning in the College Classroom: Advice and Tips on Selection and Implementation" will help participants share and develop ideas for recertifying general education courses and developing active learning strategies. Held from noon to 1 p.m. Feb. 21 in 202 Hammond on the University Park campus, this working session will focus on practical suggestions for the classroom.

Jill Lane, program manager, and Christine Remley, instructional designer in The Schreyer Institute for Innova-

tion in Learning, will focus the discussion based on responses to a questionnaire available at <http://www.inov8.psu.edu/activelearning/voicebox.htm>. Although completing the questionnaire is not a requirement for attendance, participants will get more targeted information if they do.

V.O.I.C.E. Box is a monthly discussion series sponsored by The Leonard Center, The Schreyer Institute for Innovation in Learning, The Engineering Coalition of Schools for Excellence in Education and Leadership and USG Academic Assembly.

Biographers to speak at Arts Colloquium Series

"Writing Artists' Lives: The Problem of Biography in the Non-Verbal Arts" is the topic of this year's Critical Studies in the Arts Colloquium Series.

Featured are visiting speakers who have written significant biographies in the arts or who have critiqued this practice.

All events will be at 8 p.m. in the Lawrence G. and Ellen Foster Auditorium in Pattee Library on the University Park campus. The events are free to the public.

Guest speakers will be:

■ Stanley Weintraub, professor emeritus of arts and humanities, Feb. 27, author of *Whistler, a Biography*,

and *The London Yankees: Portraits of American Writers and Artists in England, 1894-1914*.

■ Jan Swafford, Tufts University, Friday, March 15, author of *Charles Ives, a Life with Music, and Brahms, a Biography*.

■ Gail Levin, City University of New York, Friday, March 29, author of *Edward Hopper, an Intimate Biography*.

■ Anna Chave, City University of New York, Friday, April 12, author of *Constantin Brancusi: Shifting the Bases of Art*, and *Mark Rothko: Subjects in Abstraction*, as well as articles critical of the practice of biography.

Series looks back on the 20th century

The American Studies Distinguished Lecture Series at Penn State Harrisburg continues with a 7 p.m. Feb. 22 discussion of "Under Surveillance: Documentary Photography and the Forging of Memory in the 1930s."

The presentation in the Gallery Lounge will feature Mile Orvell, director of American Studies and professor

of English and American studies at Temple University.

The lecture series theme is "Remembering the 20th Century." It is sponsored by the American Studies program and the Center for Pennsylvania Culture Studies at Penn State Harrisburg and the Middle Atlantic American Studies Association.

Orvell's lecture is free to the public.

American Dream to be focus of conference at Penn State Erie

An upcoming conference, "Working for What? Winners and Losers in the American Dream" will be held Tuesday, Feb. 27, through Thursday, March 1, at locations throughout Erie.

Sponsored by the Institute on the American Dream at Penn State Erie, all events are free to the public. The event will include two lectures, six 90-minute workshops moderated by community leaders and a presentation of "Working," a play by Studs Terkel.

Lecturers for the conference will be Cornel West, Harvard University professor of religion and author of "Race Matters," and Annette Levitt, professor of English at Drexel University. West will present his lecture, "Restoring Hope," at 7:30 p.m. Wednesday, Feb. 28, at Penn State Erie's Reed Union Building Commons.

Levitt will present "The American Dream in Today's Theatre" at 11 a.m. Thursday, March 1, in 114 Reed Union Building.

"Working" will be presented at 8

p.m. Thursday, March 1, in the H.O. Hirt Auditorium of the Bayview Commons. Levitt will lead a discussion following the performance.

The 90-minute workshops include:

■ "Social Intervention and the Future of Erie," 10 a.m. Wednesday, Feb. 28, 114 Reed Union Building, led by Carl Kallgren and Kimberly Skarupski, directors of the Center for Organizational Research and Evaluation.

■ "Building a Healthy Community," 2 p.m. Wednesday, Feb. 28, Reed Commons, led by Dr. Mark Levine, Hamot Medical Center family physician. Cornel West also will attend.

For more information about the conference, including events not held at the campus, call (814) 898-6399 or (814) 898-6448. Additional information about the Institute on the American Dream and the conference is available on the Web by searching under "American Dream" at <http://www.pserie.psu.edu>.

Advisers to discuss e-mail communication

"Communicating through E-Mail: Students' and Advisers' Expectations" will be the topic of a brown-bag lunch to be held by the Division of Undergraduate Studies on Monday, Feb. 19.

Wesley Lipschultz, senior undergraduate studies adviser in DUS, and Daniel Merson, academic adviser/instructor in the College of Engineering, will lead the discussion, which will

include a report of questionnaire responses from DUS and engineering students.

The program will be held from noon to 1 p.m. in 118 Agricultural Sciences and Industries Building, University Park. The event is open to all faculty and staff.

For information, call Laura Brown, 205 Grange Building, at (814) 865-7576 or e-mail lsb7@psu.edu.

Topic will focus on international agriculture

Clara Cohen, program officer for the Board on Agriculture and Natural Resources, will speak from 3:35 to 4:25 p.m. Feb. 16 in 101 Agricultural Sciences and Industries Building, University Park.

Her topic will be "International Co-

laboration and Engagement in Agriculture: Responding to Local Needs and a Global Policy Agenda." The Department of Agronomy will be the host for the event.

For information, call (814) 863-1601.

Dairy critic to discuss health effects of milk

Robert Cohen will present a lecture on milk and its health effects at 8 p.m. Wednesday, Feb. 21, in 101 Thomas Building on the University Park campus.

His talk also will address the dairy industry, genetic engineering, government regulation, food safety and modern health problems.

Cohen is the author of *Milk: The Deadly Poison* and is founder of the Dairy Education Board. He is a writer, speaker, researcher and critic of the dairy industry and government policy.

The event, sponsored by the Penn State Alliance for Animal Rights, is free to the public.

Geography coffee hour changes speaker

The Department of Geography has a change in speaker for one of its weekly coffee hour presentations.

John Western, a faculty member in the Department of Geography at Syracuse University, will present "So Where

Is Strasburg? Munk Ungerer's Take" March 23 in 301 Steidle Building on the University Park campus. The coffee hour starts 3:30 p.m. with the presentation beginning at 4 p.m. The event is open to the public.



News in Brief

Open house

The Social Sciences Library will hold an open house, "A Focus on Black History Month," from 4 to 6 p.m. Monday, Feb. 19, in the Candace and Patrick E. Malloy III Diversity Studies Room, 109 Pattee Library on the University Park campus.

Howard Ramsby III, a doctoral candidate in English, will talk about his exhibit, "Just Beyond the Tip of the Tongue: A Literary and Extra-Literary Exhibit on Richard Wright," now on display. Presentations will begin at 4:30 p.m. Immediately following, University Libraries faculty and staff will demonstrate databases, such as Ethnic NewsWatch, and be available for questions.

Attendees also may view "Martin Luther King and the Legacy of Nonviolent Social Protest," on display through March 30 in 201 Pattee Library.

For more information, call the Social Sciences Library at (814) 865-4861 or check the Web at <http://www.libraries.psu.edu/crsweb/docs/ssmain.htm>.

Travel grants for study

The Jewish Studies Program announces a competition for Dorot Foundation travel grants for summer study in Israel.

Awards of up to \$1,000 will be made for qualifying academic activities on the basis of need. Freshmen, sophomores and juniors are eligible. The summer program can be combined with a resident fall or spring semester program of study abroad.

Applicants should submit a description of the educational program they plan to pursue, a recommendation from an instructor as to their ability to pursue this program, a transcript, a statement of a full budget for their summer program and a financial statement documenting need.

Submit applications to the Jewish Studies Program, 103 Weaver Building, University Park, Pa. 16802. For information, call (814) 863-8939. Deadline is March 23.

Announcement of awards will be made by April 16. Some award funding may be available after this date.

Office Professional Award

The Penn State Educational Office Professionals (PSEOP) group is seeking nominations for the 2001 Outstanding Office Professional Award, which recognizes office employees who provide exceptional service.

University office personnel, with the exception of PSEOP officers and board members, are eligible for this award. This year's selection criteria include professionalism, initiative, leadership skills, selfimprovement and volunteerism.

The nomination form can be downloaded from the Penn State Educational Office Professionals' Web site at <http://www.personal.psu.edu/org/PSEOP>. Those who are unable to download the form or anyone requiring additional information may call Sue Irwin at (814)



Tevis Williams, left, and Ryan Smith, both members of the Psi Upsilon fraternity gave blood for the first time at the HUB-Robeson Center. Their fraternity will sponsor a blood drive March 31.

Photo: Greg Grieco

865-5453 or e-mail sm1t1@psu.edu. Nomination packages are due March 31.

Take Our Daughters to Work Day

Penn State's sixth annual Take Our Daughters to Work Day, coordinated by the Commission for Women, will be held Thursday, April 26.

About 40 career sites on the University Park campus are participating to give girls in grades six through 12 a chance to explore career options. Participants can select three sites to visit during the half-day program, which begins with breakfast and registration in the South Annex of The Bryce Jordan Center. Christie Welsh, Penn State sophomore and forward on the Lady Lions soccer team, will welcome the girls and their mentors. Following her remarks, they may visit their chosen career sites and return to the Jordan Center for a luncheon featuring Patricia Best, superintendent of schools in the State College Area School District, who will talk about "The Power of the Dream."

The cost for the day is \$15 per girl; there is no charge for the mentor.

Watch for brochures, complete with registration forms, later this month. Registration forms also will be available on the Web; the address will be published shortly.

Parking Office hours

The Parking Office will close between the hours of 1 and 3 p.m. the third Thursday of each month, effective

immediately, for staff training and development sessions.

Normal office hours are 7:30 a.m. to 6 p.m. Monday through Friday. Staff can be reached by calling (814) 865-1436, or in person at 1 Eisenhower Parking Deck. The Parking Office also has a new Web site.

For the latest campus parking and transportation news, go to <http://www.transportation.psu.edu/>.

Internet interruption planned

Scheduled renovations in the Telecommunications Building on the University Park campus during the first weekend of spring break will interrupt Internet connectivity and connectivity to campus locations outside of University Park from midnight to approximately 5 a.m. Sunday, March 4.

Departments and colleges that connect to the University's data backbone via routers located in the Telecommunications Building also will lose connectivity to networks outside their own Local Area Network during that time period.

Departments and colleges that connect via one of the other hub sites (computer, Pattee, Pollock, Research Park, Rider 1 and Willard hubs) will continue to have connectivity to each other.

Questions related to this planned network outage should be directed to the Network Operations Center at (814) 863-4357.

Look it up

The Pennsylvania telephone book collection (in paper) is now available in the Social Sciences Library, 201 Pattee Library on the University Park campus. For information, call the Social Sciences Library at (814) 865-4861 or check the Web at <http://www.libraries.psu.edu/crsweb/docs/ssmain.htm>.

Call for nominations

The Commission on Lesbian, Gay, Bisexual and Transgender Equity in the Office of the Vice Provost for Educational Equity is actively seeking nominations for membership for the 2001-2002 academic year.

The commission serves as an advisory group on matters affecting the climate for gay, lesbian, bisexual and transgender members of the University community. Its purpose is to enhance a positive working and living environment for all members of the University community, regardless of sexual orientation. Membership includes representation from all employee classifications, as well as graduate and undergraduate students. Members are appointed to three-year terms. Self-nominations are encouraged.

Nomination forms may be obtained from the commission office, 311 Grange Building, University Park or on the Web at <http://www.lions.psu.edu/cgbtr/>. Nominations must be returned to the commission office by March 3. For more information, call Neill Johnson at (814) 863-0686.



Arts & Entertainment

'Amelia Bedelia'

The Center for the Performing Arts plays for laughs in the topsy-turvy world of "Come Back, Amelia Bedelia," a comedy based on the children's books by Peggy Parish, at 2 p.m. Saturday, Feb. 17, in Eisenhower Auditorium on the University Park campus.

Performed by Omaha Theater Company for Young People, the play recounts the antics caused by Amelia Bedelia's misinterpretation of words. The play is appropriate for children in kindergarten through grade three.

Audio description of "Come Back, Amelia Bedelia," free to patrons who have purchased tickets to the performance, will be available through the View Via Headphones program of the Sight Loss Support Group of Central Pennsylvania.

For tickets, \$8 each, or more information, call (814) 863-0255 or (800) 278-7849 or check the Web at <http://www.cpa.psu.edu>.

Recital

Five students from the studio of June Miller, professor of music, will perform in an organ studio recital at 2 p.m. Sunday, Feb. 18, in the Esber Recital Hall, Music Building I, on the University Park campus.

Achim Amma, Megan Blair, Debbie Campbell, Kristen Diehl and Tom Owens will play perform during the recital, which is free to the public.

Bach's Lunch

The Hi-Lo's from the Penn State Glee Club, directed by Timothy Eck, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Feb. 22, in the Helen Eakin Eisenhower Chapel on the University Park campus.

After the concert, audience members may take their bag lunches to the Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

'Tango Pasión'

The sensuality and sophistication of Argentine dance melds with the drama of theater when the Center for the Performing Arts presents "Tango Pasión" at 8 p.m. Saturday, Feb. 24, in Eisenhower Auditorium on the University Park campus.

Backed by a singer and the Sexteto Mayor Orchestra, 14 dancers move to the intricate steps and split-second timing of Hector Zaraspe's choreography. Their interactions put the dancing in context, build drama and provide the subtext to the show's cosmopolitan humor.

Tickets are \$28 for general admission; \$23 for students; \$13 for University Park students; and \$14 for children 12 and younger.

For information, call (814) 863-0255 or (800) 278-7849 or check the Web at <http://www.cpa.psu.edu/>.



"Come Back, Amelia Bedelia," a comedy based on a series of children's books, will be presented at 2 p.m. Saturday, Feb. 17, at Eisenhower Auditorium. The presentation will be performed by the Omaha Theater Company for Young People. Tickets cost \$8. Call (814) 863-0255 or (800) 278-7849.

Plain People exhibit

"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetler and Chris Gaines Memorial Library Collections" will be on display now through May 15 in The Eberly Family Special Collections Library, 104 Paterno Library, University Park.

The exhibit feature selections from Hostetler's 50 years of research among the Amish, Mennonite and Hutterite

peoples, including field notes, publications, photographs, genealogies, prayer books, genetic studies, articles and correspondence.

The exhibit also includes publications from the Nancy Gaines book collections in memory of her son Chris. Other items on exhibit include three Amish quilts, four fraktur and a Hutterite woman's dress.

For information about the exhibit, call the Special Collections Library at (814) 865-7931.

OBITUARIES

Bernard Asbell, former associate professor of English, 77, of State College, died Feb. 1.

Asbell attended the University of Connecticut and Columbia University and received an honorary degree, doctor of humane letters, from the University of New Haven in 1978.

From 1984 until his retirement in 1992, he was associate professor of English at Penn State, where he taught non-fiction writing.

Asbell was the author of 12 books and approximately 200 non-fiction articles for national publications.

Asbell was a past president of the American Society of Journalists and Authors and was named its Author of the Year in 1996 for his book *The Pill: A Biography of the Drug that Changed the World*. In 1998, he won the ASJA's Robert C. Anderson Memorial Award for his contributions to fellow writers. He also was a longtime panelist on public television's "The Pennsylvania Game."

Marjory G. Blubaugh, library assistant 1 at Penn State Mont Alto, from July 17, 1974, until her retirement Jan. 1, 1995, died Jan. 16, at the age of 71.

Cheryl Johnson Plumb, associate professor of English at Penn State York, died of natural causes Feb. 1 at home. She was 57.

Plumb joined the Penn State York faculty in 1970. In 1975-76, as a non-tenured faculty member, she led a union-organizing drive at the campus. The union was voted down, but she emerged as a campus leader. She was an active member of the faculty, chairing committees including faculty affairs, York campus strategic planning and academic affairs. In 1992-93, she was the campus ombudsman.

She was a widely recognized scholar of Djuna Barnes, an American writer of the early 20th century. Among her many published works was *Fancy's Craft: Art and Identity in the Early Works of Djuna Barnes*, which was named one of the outstanding academic books for 1987-88 by Choice, the official review publication of the Association of College and Research Libraries.

Along with English and literature classes, she taught the first women's studies class at Penn State York.

Memorial contributions may be sent to the Cheryl J. Plumb Scholarship Fund, in care of Penn State York, 1031 Edgcomb Ave., York Pa. 17403-3398.

Hiram L. Wiest, associate professor of family and community medicine in the College of Medicine, The Hershey Medical Center, from Sept. 1, 1968, until his retirement Nov. 1, 1981; died Jan. 11. He was 79.

Helen Wilks, janitorial worker in the Office of Physical Plant, from Nov. 1, 1966, until her retirement June 30, 1982; died Jan. 13, at the age of 83.



University Park Calendar

February 16 - February 25

SPECIAL EVENTS

Saturday, February 17

"Come Back, Amelia Bedelia," 2 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Monday, February 19

"Rough and Ready Creek: Mining Threatens an Ancient Landscape Keepers of the Water," video, 12:05 to 1 p.m., 105 Oelke.

Wednesday, February 21

"Story of Dynamite Explosives — The Power Tool," video, 12:05 to 1 p.m., 105 Oelke.

MUSIC

Friday, February 16

"Carnival," through Feb. 24. For tickets, call (814) 863-0255.

Sunday, February 18

Organ studio recital, 3:35 to 4 p.m., Esber Recital Hall, Music I.

Thursday, February 22

The H-Led's Penn State Glee Club, Bach's Lunch concert, Timothy Eck, director, 12:10 p.m., Eisenhower Chapel.

Saturday, February 24

"Tango Pasión," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, February 16

Albert Ulchaber on "Molecular Evolution in the Laboratory," 11 a.m., 117 Osmond Laboratory.

Michelle Mizzozzi on "The Structure of the Speaker's Lexicon," noon to 1:15 p.m., 202 Rackley.

Clara Cohen on "International Collaboration and Engagement in Agriculture: Responding to Local Needs and a Global Policy Agenda," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Rodney Erickson on "A View from the Provost's Window," 4 p.m., 301 Steidle.

Saturday, February 17

Keith Cheng on "Genetics and Functional Genomics: What We Can Learn About Cancer from Mutant Zebrafish," 11 a.m. to 12:30 p.m., 101 Thomas.

Monday, February 19

"Communicating through E-Mail: Students' and Advisers' Expectations," noon to 1 p.m., 118 Agricultural Sciences and Industries.

Ork Morr on a tittle to be announced, 3:30 p.m., 339 Owey Laboratory.

Alan Block on "A Netherworld of Spies and Crooks: The Bank of New York/Russian Money-Laundering Scandal," 7:30 p.m., 105 Thomas.

Tuesday, February 20

Jeffrey Errington on "Relationship Between



"Portrait of a Seated Woman Holding a Book" is part of the exhibit "History Past, History Present: The Daguerotype Portrait in America" at the Palmer Museum of Art on the University Park campus. The exhibit runs through May 20.

Structural Order and the Anomalous Properties of Liquid Water," 10 a.m., 140 Fenske Laboratory.

Ronald Kensing on "Recent Studies on Hormonally Induced Lactation in Cattle," 4 p.m., S-209 Henderson.

Wednesday, February 21

Adolescent Adjustment: The Moderating Role of Parent Child Relationships," noon to 1 p.m., 10B Wartik Laboratory.

Jill Lane and Christine Remley on "Active Learning in the College Classroom: Advice and Tips on Selection and Implementation," noon, 202 Hammond.

Loise Comas on "Fine Root Traits of Fast and Slow-Growing N.E. U.S. Trees Relevant to Ecosystem Level Processes," 12:20 to 1:10 p.m., 105 Wartik.

Robert Cohen on "Milk, Nutrition, Effects on Health and Other Secrets of the Dairy Industry," 8 p.m., 101 Thomas.

Thursday, February 22

Yong Lak Joo on "Use of a New Microstructurally Based Model in the Simulation of Complex Viscoelastic Flows," 10 a.m., 140 Fenske Laboratory.

Uzi Landman on "Small is Different: From Electrons to Nanopets," 4 p.m., 117 Osmond Laboratory.

Michael G. Wade on "Developmental Coordination Disorder: Issues in Assessment, Identification and Underlying Causes," 4:30 p.m., 12 Walker.

Friday, February 23

Oouglas Beegle on "Integrating Research and Extension to Develop Phosphorus

Management Strategies for Farms in the New Millennium," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Karen Till on "The Topography of Terror: Memory and Landscape in Berlin," 4 p.m., 301 Steidle.

EXHIBITS

HUB-Robeson Center

"Natural Instincts," photography by Gino J. O'Angelo, through March 11.

"Congo Images," from the Matson Museum of Anthropology collection, through Feb. 28.

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

Kern exhibit area

"Legs Sculptures," by Alpha O. Harrison, through April 4.

North Halls exhibit area

"Direct Address," photographs by Jason Fegone, through Feb. 28.

"Restless Metropolis," photography by Denton W. Smith Jr., through Feb. 28.

Palmer Museum of Art

"Power In My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Daguerotype Portrait in America," through May 20.

"An Interlude in Giverny: The French Châleier," by Frederick MacMonnies, through Feb. 25.

Paterno Library

Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetter and Charles Gaines Memorial Library Collections," through May 15.

Pattie Library

"Just Beyond the Tip of the Tongue: A Literary and Extra-Literary Exhibit on Richard Wright," by Howard Rambsy II, through Feb. 28.

Exhibit on Fred Waring's jazz band, through Feb. 28.

"The Public Poetry Project Initiated by Kim Fisher," honoring Fisher's memory, through Feb. 28.

"Celebrating Martin Luther King Jr. and Black History Month," student-designed posters, through Feb. 28.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming conference and institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

PROMOTIONS

Technical Service

Randall L. Barger, barn worker milker in College of Agricultural Sciences

Terry L. Crust, senior electronics technician in College of Engineering

James R. Everhart, group leader, agronomy farm, College of Agricultural Sciences

Beverly G. Forshey, food service worker B in housing and food services at Penn State Altoona

Chad A. Haagen, groundskeeper, landscape A in Office of Physical Plant

Barbara J. Knepp, residence hall utility worker in Housing and Food Services

Jamie L. McKivison, food preparer B in Housing and Food Services

Gloria M. Reams, food preparer B in Housing and Food Services

Gary L. Shlosky, groundskeeper, landscape A in Office of Physical Plant

Shirley A. Stouffer, food service worker B in housing and food services at Penn State Altoona

Charles J. Trimble, food preparer A in Housing and Food Services

Staff

Larry H. Achterberg, director of business and operations in College of Earth and Mineral Sciences

Vijay K. Agarwala, director in Computer and Information Systems — Center for Academic Computing

Gretchen M. Allison, senior technician-research in College of Medicine, The Hershey Medical Center

Kristie M. Auman-Bauer, writer-editor in College of Agricultural Sciences

Norman J. Bailey, marketing communications account specialist II in Division of Outreach and Cooperative Extension



PARTINGS

Dean secured grants for many projects

Grant M. Berry Jr., who retired Jan. 31 as Pennsylvania College of Technology's dean of grants and contracts, estimates that under his supervision over more than two decades, the college's Development Office secured external funding exceeding \$110 million.

Berry, who earned a bachelor's degree from Lycoming College, a master's degree from the University and a doctoral degree from the University of Connecticut, Storrs, began his tenure at the former Williamsport Area Community College in

January 1969 as a counselor.

From 1974-77, he was director of financial aid. In 1977, he was named director of resource development, and in 1981, he became dean of development. He established the College Foundation in 1981 and served as executive director in its inaugural year. Since Penn College began its affiliation with Penn State in 1989, Berry has been dean of development, vice president for development and dean of grants and contracts.

The largest funding package assembled under Berry's tenure was

the \$21 million required to construct the Breuder Advanced Technology and Health Sciences Center and to renovate other campus facilities. The total included local, state, federal and college funds.

Though he's officially retired, Berry isn't severing ties with Penn College. He will work as a consultant for the college, helping his successor to close out current projects and submit applications for the next round of selected grants. He also will explore the feasibility of launching his own business.

Faculty member served University for 36 years

Richard W. Pencek, associate professor of exercise and sport science in the College of Health and Human Development, recently retired.

He was a faculty member for 36 years.

Pencek came to the University as a lacrosse coach after graduating from Rutgers University in 1960 and coaching for a year at the University of Massachusetts. While coaching, he earned his master of science degree

at Penn State in 1966 and served as Penn State's head lacrosse coach from 1964 to 1978.

He continued his career as a faculty member, teaching in the College of the Liberal Arts as well as the College of Health and Human Development. He also was a visiting professor at Kiel University in Germany during the 1984 and 1986 academic years.

Among Pencek's achievements are consistent efforts on behalf of

minority recruitment and involvement in the Exercise and Sport Activity program. With former Provost John Brighton, he developed the Minority Internship Teaching Program.

In recognition of these efforts he was tapped as a member of the Skull and Bones society and was among the first recipients of the George W. Atherton Award for Distinguished Teaching in 1989.

Several say goodbye to University

David S. Bailey, extension agent in the College of Agricultural Sciences, from Jan. 2, 1985, to Jan. 1.

Christina A. Cassie, snack bar attendant in Housing and Food Services, from March 9, 1973, to Aug. 1.

Alice I. Cowher, staff assistant VI in Computer and Information Systems, from Aug. 1, 1973, to Oct. 1.

Alessandra Graves, associate professor of Spanish at Penn State Delaware County, from Sept. 1, 1981, to Jan. 1.

Lobelia C. Heeman, janitorial worker in the College of Physical Plant, from March 30, 1985, to Dec. 30.

Jean C. Kagarise, staff assistant VII in the College of Agricultural Sciences, from Sept. 15, 1978, to Jan. 1.

Gloria M. Kauffman, food preparer A in Housing and Food Services, from Sept. 20, 1980, to Jan. 1.

Winona C. Kendra, residence hall utility worker in Housing and Food Services, from Jan. 4, 1982, to Dec. 30.

Sylvia H. Malone, staff assistant VI in the Office of the President, from April 14, 1980, to Jan. 1.

Barbara J. McKee, associate extension agent in the College of Agricultural Sciences, from July 1, 1977, to Jan. 1.

Harold R. Ott, regional director in the College of Agricultural Sciences, from April 1, 1964, to Jan. 1.

Barbara L. Spindler, staff assistant VI in the Eberly College of Science, from May 10, 1979, to Jan. 3.

John R. Schneider, instructor of general engineering at Penn State DuBois, from Aug. 16, 1983, to Jan. 1.

Albert L. Stiehl, associate professor of English at Penn State McKeesport, from Aug. 16, 1985, to Jan. 1.

Joan M. Toomer, counselor at Penn State York, from Dec. 2, 1985, to Jan. 1.

Phyllis I. Weber, snack bar worker B in Housing and Food Services, from Feb. 22, 1991, to Jan. 1.

Emeritus rank

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Stuart J. Allen, associate professor emeritus of management at Penn

State Erie, from Aug. 16, 1984, to Jan. 1.

Steve Ammentrout, professor emeritus of mathematics in the Eberly College of Science, from Dec. 18, 1969, to Oct. 1.

E. Alan Cameron, professor emeritus of entomology in the College of Agricultural Sciences, from Sept. 1, 1970, to Jan. 1.

Frank M. Goode, associate professor emeritus of agricultural economics in the College of Agricultural Sciences, from Aug. 1, 1971, to Jan. 1.

Kenneth D. Hickey, professor emeritus of plant pathology in the College of Agricultural Sciences, from May 15, 1976, to Jan. 1.

Felix L. Lukietz, professor emeritus of plant pathology in the College of Agricultural Sciences, from Aug. 1, 1965, to Jan. 1.

Peter T. Luckie, professor emeritus of mineral engineering in the College of Earth and Mineral Sciences, from May 1, 1979, to Jan. 1.

Laurence L. Yager, associate professor emeritus of agricultural economics in the College of Agricultural Sciences, from Jan. 10, 1964, to Jan. 1.

NEW AT PSU

Degree offered

Four Western Pennsylvania campuses will begin offering a master of education program this summer.

The campuses offering the degree include Beaver, DuBois, New Kensington and Shenango, according to Nancy Herron, Commonwealth College's associate dean for academic programs.

The 36-credit graduate degree program is designed for educators who want to learn the latest educational research and theory and how to implement it in their classrooms. The program also includes up to 18 credits of elective work so teachers may specialize in their area of expertise. An advisory group composed of local administrators and seasoned educators will select the topics for the elective courses.

The program is an extension of the program created and offered by The Capital College in Harrisburg.

New leadership program

The College of Agricultural Sciences has created a new undergraduate major and minor to help students understand effective leadership styles, skills and competencies.

The new "leadership development and communications" program was established in the Department of Agricultural and Extension Education for students wanting to develop their leadership potential. According to Phyllis Adams, associate professor of agricultural and extension education, the program helps students learn how to be more effective in their chosen professions.

"By exploring leadership styles; social, cultural and political influences; system constraints; environmental concerns; personal responsibility issues; and ethical practices, graduates will be prepared to be effective in a variety of organizational settings and to help others accomplish their respective goals," Adams said.

For information on the leadership development and communication programs, call Phyllis F. Adams at (814) 863-7408, or e-mail padams@psu.edu.

New database a result of Decade of Behavior

"FundSource," a new, free, searchable database for research funding in the behavioral and social sciences is just one of the early results of a multidisciplinary outreach and education effort known as the Decade of Behavior.

Roger Downs, professor and head of the Department of Geography, is one of 16 distinguished behavioral and social scientists serving on the National Advisory Committee for this initiative. The Decade of Behavior (2000-2010) seeks to focus the energy of the behavioral and social sciences on meeting societal challenges like health, safety and education. Its goals include translating research findings into the public policy arena and recruiting new scholars into the behavioral and social sciences.

For more information about the Decade of Behavior, check the Web at <http://www.decadeofbehavior.org/>. For more information about FundSource, go to <http://www.decadeofbehavior.org/fundsource/intro.html>.



Appointments

Two named county extension

Cooperative Extension has named two longtime extension educators as county extension directors in Lancaster and York counties.

Leon Ressler, an extension agent specializing in agricultural and environmental issues, has become county extension director in Lancaster County.

Ressler is replacing John Schwartz, who will assume the same position in York County, effective March 1.

Ressler joined Cooperative Extension in 1987 as a project associate in Lancaster County, where he conducted nutrient management educational programs for farmers. His programs have expanded to include a wide range of environmental and water quality issues, including composting of manure and proper disposal of other farm wastes, such as plastics. He received his bachelor's degree in agronomy and plant science from the University and his master's in environmental pollution control from Penn State Harrisburg.

Schwartz began his extension career

directors in Lancaster, York

in 1970 as a 4-H agent in Chester County. From 1975 to 1982, he served as agriculture agent in Adams County, with program responsibility for poultry, farm management, agronomy, marketing and animal science. He was an eight-county regional farm management agent from 1982 to 1983.

After serving as a graduate research assistant and extension poultry specialist at Colorado State University, Schwartz worked in agribusiness for a year in Colorado before spending two years on the faculty at Clemson University. He returned to Cooperative Extension in 1988 to conduct educational programs in commercial poultry production in Lancaster, Lebanon, York and Adams counties. He became Lancaster County extension director in 1991.

Schwartz earned his bachelor's and master's degrees in agricultural education from the University and his doctorate in animal science from Colorado State University.

Worthington Scranton welcomes academic adviser

Jennifer A. Drake-Deese has been appointed academic adviser for the Division of Undergraduate Studies (DUS) and Learning Center at Penn State Worthington Scranton.

Drake-Deese will assist DUS students in choosing majors, selecting courses and understanding academic policies and procedures. She will coordinate services for provisional and non-degree students, secure external funding and develop new programs for student retention, and teach first-year seminars. She also will be involved in campus recruitment efforts.



Jennifer Drake-Deese

She holds a master of education degree in counseling and human development from St. Lawrence University and a bachelor of arts degree in communication studies from the State University of New York at Oswego. Before her appointment, Drake-Deese served as director of counseling services and personal and substance abuse counselor at Dean College in Franklin, Mass. She also has held positions including assistant director of housing operations at Emerson College, and residence director at St. Lawrence University.

Smeal College names associate dean for executive education

The Smeal College of Business Administration has named Christopher von Schirach-Szmigiel as associate dean for executive education.

Schirach-Szmigiel's responsibilities include creating and delivering new customized executive education programs and promoting the portfolio for educational programs to customers. He will identify corporate opportunities that lead to research partnerships and work with the college's Research Center directors, faculty and staff to generate and respond to business opportunities in the areas of executive and man-

agement development and education. He will assume his new responsibilities on March 1.

Schirach-Szmigiel is currently director of Ericsson Corp.'s Management Institute in Stockholm, Sweden. Before that, Schirach-Szmigiel was director of Unilever's Management Programs from 1992-1996. He also has served as visiting professor at the Stern Graduate Business School in New York and the Internal Executive MBA Program at Kasetsart University in Bangkok, served as a government adviser and authored numerous books.

uation issues facing mammals in the states of New Jersey, Pennsylvania, New York, Delaware, West Virginia, Ohio and Maryland. The book is divided into 20 chapters covering mammalian families and is written for the outdoors enthusiast who wants to understand the biological concepts behind mammalian behavior, appearance and habitats.

BOOKSHELF

Richard H. Yahner, associate dean of the Graduate School and professor of wildlife conservation in the School of Forest Resources
Fascinating Mammals: Conservation and Ecology in the Mid-Atlantic States, to be published in May by the University of Pittsburgh Press

Yahner's book is a primer on conser-

AWARDS

Smeal College faculty and staff receive honors

The Smeal College of Business Administration is recognizing some members of its faculty and staff for their efforts in teaching and advising.

The 2000-2001 Fred Brand Jr. Awards for Excellence in Teaching and Advising will be presented to:

■ **Abdullah Yavas**, associate professor of business administration, will receive the Undergraduate Teaching Award.

■ **Torsten Kingberg**, a doctoral candidate, is being recognized with the

Graduate Student Teaching Award.

■ **Jocelyn Bennett**, coordinator of minority affairs and undergraduate student programs, will receive the Undergraduate Advising Award.

The awards are named in honor of Fred Brand Jr., who graduated from Penn State in 1932 with a degree in commerce and finance. He was a successful insurance executive, a director for the Allegheny General Hospital and chairman of the Western Pennsylvania Hunt Fund. He died in 1998.

Penn State Fayette staffer lauded for service

Patty Zebrasky, nursing staff assistant, was recently awarded the 2000 Support Services Excellence Award at Penn State Fayette.

Zebrasky has worked at Penn State Fayette for more than 28 years, serving the students, faculty and staff as the Student Affairs assistant, and most recently, as staff assistant in the Penn State Fayette Nursing Department.

Zebrasky is the primary campus sexual harassment resource person, facilitator

for one of two current campus Continuous Quality Improvement teams and is a member of the campus Legislative Advocacy Network team, the Annual Women's Day on campus committee and the campus Safety/Security Committee.

She has represented Penn State Fayette at high school visits and college fairs, presented workshops at regional and state leadership conferences and arranged/presented sexual harassment seminars for campus faculty and staff.

Employee Benefits reminders noted

The Office of Human Resources would like to remind faculty and staff members of important benefits information.

Flexible benefits requests for reimbursement for services incurred in 2000 must be submitted on or before March 31. Reimbursements are based on the date that the service occurred, not on the date of payment, so only services from Jan. 1 through Dec. 31, 2000, are eligible.

March 31 also is the last date HealthAmerica and Open Choice will accept major medical claims for PPO plans and Plan A for 2000 charges from University faculty and staff members or their dependents.

The annual statement of account that each State Employees' Retirement System (SERS) participant receives will

be mailed to the participant's home address again this year. In order to receive statement in a timely manner, employees' home addresses must be current. Please note that the only method of changing a home address is to complete a new W-4 form through the Payroll Department.

Everyone periodically encounters difficult life or work situations. The Employee Assistance Program (EAP) provides confidential counseling sessions for University faculty, staff and members of their household. Up to three visits per problem situation are paid for by the University. To receive a free consultation, call the EAP at (800) 858-2778. Employees in the College of Medicine at The Milton S. Eshelby Medical Center, call (800) 543-5080.

Scholarship aids an incoming freshman

Applications are now being accepted for the 2001-02 Steve A. Garban Grant-In-Aid to students who must meet the following criteria.

Students who will be full-time freshmen at any University location or Penn College; who are children of University or Penn College technical service or staff employees; who have demonstrated leadership and humanitarian qualities through extracurricular activities; and who have achieved or show promise of academic success are eligible to apply.

This scholarship, awarded to one incoming freshman student, will be applied to room and board charges for two years, provided the student contin-

ues to meet all eligibility requirements.

Letters of application will be accepted until April 30. To apply, students must write essays that illustrate their leadership, humanitarian and academic merits. Letters should be sent to Carol Lewis, student aid coordinator for University Scholarship Services, Office of Student Aid, 314 Shields Building, University Park, Pa. 16802. The award recipient will be announced in June.

For details, call Carol Lewis at (814) 865-6301 for students and (814) 863-0700 for staff, e-mail cll1@psu.edu or visit the Office of Student Aid's Web site at <http://www.psu.edu/dept/studentaid>.



Penn Staters

Collins Airhihenbuwa, professor of biobehavioral health in the College of Health and Human Development, was the recipient of the Robert F. Allen Symbol of H.O.P.E. Award. *The American Journal of Health Promotion* presents this award annually to an individual making an outstanding contribution to serving the health promotion needs of underserved populations or to promoting cultural diversity within health promotion.

John M. Andréén, research associate at the Energy Institute of the College of Earth and Mineral Sciences, recently gave a series of invited lectures at the Norwegian University of Science and Technology at Trondheim. The four talks he presented covered several aspects of coal-derived carbon products and materials.

The American College Personnel Association (ACPA) will recognize the **Commission for Adult Learners** with two awards at its upcoming conference in Boston. The ACPA Commission XVII's 2000-2001 Outstanding Student Affairs-Faculty Collaboration Award will be presented to the commission for its collaboration among faculty members, academic support units and administrative offices throughout the University. In addition, the commission's annual Incentive Grant Program is the 2000-2001 runner-up in the Outstanding Adult Learner Program category. **Betsy Esposito**, assistant director of the Center for Adult Learner Services, will accept both awards on the commission's behalf.

Charles Cao, associate professor of finance in The Smeal College of Business Administration, has been appointed to the editorial boards of the *Journal of Financial Markets* and the *Annals of Economics and Finance*.

Sharon Dale, associate professor of art history at Penn State Erie, presented "Venom and Veneration: The Cult of St. Augustine at San Pietro in Ciel d'Oro in Pavia," at the Netherlands Institute in Rome. While there, Dale also presented the paper at an international colloquium sponsored by the Transatlantic Atlas and Database of Saints' Cults.

Kim Dionis, writer-editor in information and communication technologies in the College of Agricultural Sciences, received a 2001 Pennsylvania Council on the Arts fellowship in literature. The \$5,000 fellowship, administered through the Office of the Governor, recognizes outstanding artists in the state and helps them to further their careers.

Cheng Dong, associate professor of Bioengineering, Engineering Science and Mechanics, was recently elected as a Fellow of the American Institute for Medical and Biological Engineering. The award recognizes accomplishments and contributions to the field of medical and biological engineering.

Anne Gibson, professor and head of design at the School of Theatre, designed the set for "In the Blood" by Suzan-Lori Parks, a 2000 Pulitzer Prize finalist in drama. The play, produced by the Woolly Mammoth Theatre Co., showed at the American Film Institute Theater at the John F.

Kennedy Center for the Performing Arts in Washington, D.C.

Tom Glumac, Penn State Mont Alto physical therapy assistant department chair, received the Pennsylvania Physical Therapy Association's Humanitarian Award for 2000. Glumac has traveled to Vietnam, Columbia and Guatemala distributing wheelchairs to individuals suffering with polio, leprosy and paraplegia as part of Hope Haven International. He also spent time in Guaranda, Ecuador, as a physical therapist for Medical Ministries International.

Gabriela Gonzalez, assistant professor of physics, has been selected by the Australian Institute of Physics as its Women in Physics Lecturer for 2001. Gonzalez hopes to visit several universities and high schools throughout Australia as part of the lecture series, which was instituted to celebrate the contribution of women to advances in physics.

David Geiser, assistant professor of plant pathology and director of the Fusarium Research Center, was invited to The Mycology in the 21st Century symposium at the Royal Netherlands Academy of Arts and Sciences in Amsterdam, Netherlands, presenting a talk titled "Gene genecologies and cryptic species." He also gave an invited lecture at the European Fusarium Seminar in Berlin titled, "Molecular databases: tools for the Fusarium biologist."

Frank M. Hatheway, assistant professor of finance, is one of three new members of The NASDAQ Economic Advisory Board. The primary goal of the board is to discuss and communicate specific policy recommendations to NASDAQ. The NASDAQ Stock Market lists nearly 5,000 companies, has a larger dollar volume and trades more shares per day than any other U.S. market.

Kay N. Johnson, lecturer in finance and business economics at Penn State Erie, has been appointed to serve on a panel that will address standardization of education, ethics and examinations for personal financial planners. She will be a member of the International Organization for Standardization Technical Committee 222. With this appointment, Johnson will represent academic and financial planning educational institutions as a member of the U.S. technical adviser group.

Jim Karwowski, assistant professor of kinesiology at Penn State Beaver, is the recipient of the Excellence in Coaching Award, presented by the Pennsylvania State Association for Health, Physical Education, Recreation and Dance. Karwowski received the award at the group's 79th Annual State Convention in Lancaster.

Penn State Erie faculty members **Victoria Kazmerski**, assistant professor of psychology, and **Dawn Blasko**, associate professor of psychology, along with student co-authors **Barchlanlack Dessaigne** and **Athena Farantos**, presented a paper titled "Individual Differences in ERPs for a Spatial-Speech Task" at the Society for Psychophysiological Research conference in San Diego.

George Lesieutre, professor of aerospace engineering, received the Abe M. Zarem Educator Award from the American Institute of Aeronautics and Astronautics. This award is a companion to the Zarem Achievement Award received by Lesieutre's advisee, **Kristin Culler**. Both were presented at the annual Aerospace Sciences Meeting of the Institute in Reno, Nev.

Three professors in The Smeal College of Business Administration are receiving honors for their research. The Southern Finance Association has selected a study co-authored by **James A. Miles**, **J. Harold Mulherin** and **John R. Ezell** as its Outstanding Paper in Investments. The three finance professors had presented the study "Is There Really a When-Issued Premium?" at the 40th Southern Finance Association Meeting in Savannah, Ga.

Raj Mittra, professor of electrical engineering, visited two French National Research Laboratories — ONERA, an aeronautical lab, and CNES, a space lab — in Toulouse, France, to present seminars and discuss joint research projects. The trip was sponsored by NATO.

Richard L. Nygaard, a judge and director of the Institute for Behavioral Research at Penn State Erie, has been asked by the Republic of Bulgaria's Ministry of Justice to assist Bulgaria in drafting its criminal sentencing and imprisonment laws.

Pradeep Singh, assistant professor of statistics at Penn State Erie, presented "MANOVA in the Presence of Random Subject Effects" at the International Conference on Statistics, Combinatorics and Related Areas at the Indian Institute of Technology in Bombay, India.

Alan Walker, distinguished professor of anthropology and biology, has joined the board of the Carnegie Museum of Natural History in Pittsburgh, one of the nation's leading research museums.

A book edited by **James West**, distinguished professor of English and director of the Penn State Center for the History of the Book, has been cited by the Professional/Scholarly Publishing Division of the Association of American Publishers. **George Palmer Putnam: Representative American Publisher**, written by **Erza Greenspan** and published by the **Penn State Press**, won first prize in the category of biography.

The Resource Communications Group of State College was awarded the Crystal Award of Excellence for Penn State Scoreboard spots in the category of Broadcast/Cable Commercials, Education/College and University. This set of four commercials, created in conjunction with **The Department of University Marketing in the Office of University Relations**, was shown on the new scoreboard at home football games at University Park. They were designed as portraits of faculty and student researchers, showing their unique approaches to their individual fields. The Communicator Awards, a national awards program founded by communications professionals, recognize excellence in the field.



Focus on Research

A half-time tenure track could level the academic playing field

By ANDREA MESSER
Public Information

Despite the increased numbers of women receiving Ph.D.'s, the percentage of tenured female faculty in U.S. colleges and universities has increased at a snail's pace, but a proposal for a half-time tenure track might not only allow more women to compete, but also provide an equitable solution for all untenured faculty with work/family issues, according to a University Park researcher.

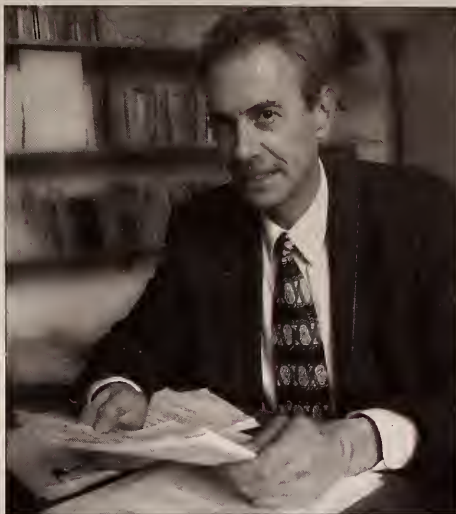
"Women have failed to rise in academics because traditionally, the ideal professional worker is someone who works for 40 years with no career interruptions, taking no time off for childbearing or child-rearing," said Robert Drago, professor of labor studies in The College of the Liberal Arts.

"However, the childbearing years coincide with the tenure track years. Although women enter graduate programs in roughly equal proportions with men, they hold fewer than 15 percent of all tenured academic posts," said Joan Williams, professor of law at American University.

Recently, some institutions have implemented policies to aid childbearing couples. These policies may include parental leave policies, reduced workloads for new parents or temporary stoppage of the tenure clock.

"However, raising a child takes 20 years, not one semester," Drago said. "American women, who still do the vast majority of child care, will not achieve equality in academia so long as the ideal academic is defined as someone who takes no time off for child-rearing."

Drago and Williams propose a redefinition of the academic worker. They suggest, "any tenure-track faculty member with care-giving responsibilities for children, elderly or ill family members of partners could, with sufficient notice, request that he or she be placed on half-time status for a period of one to 12



Robert Drago, professor of labor studies in the College of the Liberal Arts, proposes a half-time tenure track program that would allow women with child-rearing duties to compete for professorships without neglecting their families.

Photo: Greg Griesco

years. Workload, including teaching, research, advising and committee work, would also decline by half."

The tenure clock would run at half-time, but so would salary, benefits and advancement.

"Given the financial penalty involved, we expect that most academics would use the part-time policy for between two and six years," Drago said.

A faculty member who went half-time for two years would have a tenure decision at the end of seven years

rather than six, and the maximum time for a tenure decision would be a set number of years. The researchers suggest 12, but admit that if individual institutions thought that was too long it could easily be altered.

"A half-time tenure proposal would also benefit colleges and universities," Drago said. "Current practices artificially reduce the talent pool by eliminating a hefty percentage of qualified candidates — most mothers — from reaching for or achieving tenure."

'Molecular rulers' enable construction of nanoscale items

By STEVE SAMPSELL
Eberly College of Science

Scientists have discovered an effective and precise way to make ultraminiature metal wires in very close proximity to each other. Their work — important because nanoscale construction methods have been limited to structures with larger, less controlled spacings — is expected to be useful in the effort to further miniaturize electronic and opto-electronic devices used for circuits, high-density data storage and sensors.

The results describe the use of organic molecules as "molecular rulers" that permit the fabrication of useful wires dozens of times smaller than the period at the end of this sentence. The scientists measure their results in nanometers, equal to one billionth of a meter, and micrometers, equal to one millionth of a meter. They have proven they can make extremely thin wires from 15 to 70 nanometers wide and a few micrometers long that are spaced 10 to 40 nanometers apart.

Paul Weiss, associate professor of chemistry, and Anat Hatzor, a post-doctoral fellow, co-authored a paper describing the project.

The "molecular ruler" construction process requires some existing nanoscale structures to "grow" in order to produce the even smaller structures. The scientists started with two parallel gold nanostructures on a silicate substrate. Those structures were formed by electron-beam lithography, one of several widely used nanoscale construction techniques. Layers of organic molecules then were applied atop the initial structures to make them bigger and wider, at the same time reducing the gap between the structures.

Imagine two cookies rising beside each other while baking, with the space between the cookies getting smaller as they cook, and you get a sense of how each of the initial structures grows by the addition of organic molecules and how the space between the structures gets narrower.

Because the scientists knew the size and spacing of the initial structures and the thickness of the layers of films created by the molecules atop the structures, they could calculate the size of the narrowing space between the structures. As a result, the organic molecules, which selectively bind to each other and to the substrate materials, provide "molecular rulers" that precisely determine the size of the resulting space between the initial structures. Scientists use the resulting space for forming even smaller wires by filling the space with gold.

Consensus helps diverse management teams perform well

Diverse management teams can perform well if teamwork is allowed to develop naturally among members and if there is no push to achieve immediate consensus of ideas, a Penn State management expert said.

"People often assume that bringing together individuals diverse in ethnicity, age and job specialization will help assure diverse thinking, which in turn will contribute to increased team performance," said Martin J. Kilduff, professor of management in the

University's Smeal College of Business Administration. "In a direct test of these ideas, we examined data from 35 simulated firms run by a total of 150 managers attending executive education programs. Our data revealed that the only back-ground diversity variable to affect firm performance was age. Paradoxically, the greater the age diversity among team members, the better the team performed."

Kilduff and fellow researchers published their findings recently. Co-authors

were Reinhard Angelmar, professor of marketing at the European Institute of Business Administration at Fontainebleau, France, and Ajay Mehra, assistant professor of management at the University of Cincinnati.

"Teams that guided their firms to high performance tended over time to show higher levels of shared understandings and perceptions among members, even though they generally began with low levels of shared understandings," Kilduff noted.



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Entertaining event



As part of the African-American Read-In on Feb. 4, Mursalata Muhammad and her children, Khayriyah Muhammad Smith, 4, and Khayriyah Muhammad Smith, 6, played a chorus of "Mississippi Hot Dog" for everyone, above. **At right**, Corey Cokes, guest lecturer from Boston, looks over some of the reading material before his talk on dealing with everyday issues and family. The events were held in Heritage Hall on the University Park campus.

Photos: Greg Grieco



Dance with Stars at the annual Founders' Day Ball

The Founders' Day Ball, an annual event sponsored by the Lion Ambassadors and the Penn State Alumni Association, will be held from 7:30 to 11 p.m. Friday, Feb. 23, in the HUB-Robeson Center Heritage Hall on the University Park campus.

The theme of this year's event is Dancing with the Stars. Faculty, staff, administrators, students and alumni are invited to join in the celebration of the founding of the University.

Attire is semi-formal. Light refreshments will be served.

The cost of the event is \$5 per person or \$8 per couple. Members of the Blue and White Society will receive two tickets for the price of one.

For ticket information, call the Lion Ambassador's office at (814) 863-3752. The Lion Ambassadors are the student alumni corps sponsored by the Penn State Alumni Association.

Intercom

INFORMING THE PENN STATE COMMUNITY

FEBRUARY 22, 2001

Perspective on a student controversy

There has been a great deal of media attention given to the "Sex Faire" that the student organization called Womyn's Concerns recently held on the University Park campus. A number of radio talk shows and other news outlets have reported on the student event. For that reason, we want to bring Penn State *Intercom* readers some factual information about it.

This event took place from 7 p.m. to midnight on Saturday, Feb. 3, in the Pollock Commons on the University Park campus. The displays at the event included information on HIV-AIDS, women's and men's reproductive health, acquaintance rape, respect for one's partner and differing views of sexuality. Displays included educational materials, books and games that student organizers designed with intentionally provocative adult themes focusing on anatomy, physiology, relationships and sexuality.

One Pennsylvania legislator has been very vocal about his opposition to the event, suggesting the creation of a state oversight board that some fear would in essence require review of

Perspective, page 3

Web Fair clicks with undergraduates

By HEATHER HERZOG
Computer and Information Systems

Early this month, more than 300 students anxiously waited to learn if they were chosen as the winners of the University's first Undergraduate Web Fair — a contest showcasing the innovative ways students are using the Web to convey academic concepts and theories.

The competition, which opened Nov. 1, resulted in the nomination of 178 Web sites created by undergraduates across the University. To make these selections, faculty members and teaching assistants identified Web sites created in the fall semester by individuals or teams of stu-

Web fair, page 2

Make friends, reach out to someone new at the Faculty Staff Club

By JULIE A. BRINK
Public Information

Tucked away in the ground floor of The Nittany Lion Inn, the Penn State Faculty Staff Club quietly goes about its business.

On this day, between 20 and 30 people are chatting and eating their lunch in the club room, a spacious, welcoming area decorated with warm cherry paneling, molded ceilings and French doors. A conversation nook with comfortable chairs and an over-stuffed sofa separates the eating area from the entrance.

Club members filter in and out. The dress ranges from casual to professional. Laughter erupts from a large table near the back of the room where a couple of raconteurs hold court. This is an "open" table, meaning that new folks and others without dining companions are ushered there to enjoy the conversation. Bob Koehler, associate professor of accounting, joked to his lunchmates that he comes here for the food, but actually it is the company. "I run into all sorts of people here," he said.

Now in its seventh year, the Faculty Staff Club is celebrating its first anniversary in its new digs, what was once the Inn's Colonial Room. Growing pains forced the club out of its old meeting place, the Penn State Room at the Inn, which was home to the group for about six years. Today the club is about 800 strong and growing. "It's about more than food," said club president Karen Wagner, although the discounted meal does draw some people out to the daily lunches. "The Faculty Staff Club promotes collegiality across the University."

The club, born in 1992, aims to give faculty, staff and retirees a sense of belonging, of a community that is University-wide. "It's worked very well," said Al Turgeon, who was the first club president. "Initially, it was a hard-sell getting people to buy into a club where people could come together as a community, but we've grown both in terms of acceptance and level of activities."



A wide variety of foods is available at the lunch buffet in the Faculty Staff Club. For information on joining the club, please see the box on page 2.

Photo: Greg Greene

This incarnation of the Faculty Staff Club replaces an earlier faculty group which disbanded in the '60s or '70s, according to George Bugyi, a charter member and past president of this organization. This time around, the group was established to be more inclusive. "Many more staff members

are comfortable with the fact it's a faculty/staff club," he said.

The club offers a variety of year-round programs beyond lunchtime conversation. Faculty are the host for lunchtime discussions aimed at

Faculty Staff Club, page 2

Faculty Staff Club

Continued from page 1

appealing to a broad base beyond the traditional membership. During College Week, top administrators are hosts and invite their faculty and staff to the dining room to sample the atmosphere and the events.

Most folks associate the club with The Penn State Forum, which is part of the club's broader mission to incorporate more educational programming. The club invites prominent and interesting individuals to talk during a noonday presentation. Allan Goodman, president and CEO of the Institute of International Education, recently gave a thought-provoking speech about global economics and its relationship to education.

"(The Forum) has been phenomenally successful," Wagner said. "Seven years later, people come to us with names of speakers and topics."

The club is averaging six to eight Forum speakers a semester, which is double or triple what it used to be, she said. The speakers, mostly sell-outs this year, can draw as many as 460 folks across the campus.

Right now, the club is in the middle of a membership drive. It hopes to recruit a wider, more diverse audience. To spark interest, each new hire at the University is given a copy of the club's monthly newspaper and an invitation to join the club. Every fall, the club is host to a "Hi, Neighbor" mixer where all new faculty and staff are welcomed to the University.

To help foster that welcoming sense of community, a club member volunteers daily to greet people at the door of the club room and help them get settled. Even President Graham B. Spanier takes a turn at the door.

"Any day you come there with the expectation of meeting interesting people," Wagner said. She's been involved with the club since its beginning and calls it the best personal/professional development experience she's had at the University. "It's been a fantastic experience in terms of the number of people I've gotten to know," she said.

Zi-Kui Liu, assistant professor of materials science and engineering, has been a member for a couple of years, stopping by the club room for lunch about three times a week. "I got to meet a lot of people this way," he said.

Bill Hessert, manager of college grant relations for Commonwealth College, said he joined because "it was a nice opportunity to meet other people who work at the University because I had come from outside the University setting. I wanted to become better acquainted with what they do."

Wagner says programming for

About the club

History: The Faculty Staff Club held its first luncheon Sept. 14, 1992. It had been a year in the planning stages. The first slate of officers were: Al Turgeon, president; Sally Kalin, vice president; Nancy Sassano, secretary; and Dan Sieminski, treasurer. The first board of directors included: Barton Browning, George Bugyi, John Cahir, Sandy Edwards, Bill McKinnon and Jim Purdum.

To join the club: Dues are \$25 a year. Members receive a discount on The Nittany Lion Inn's lunch buffet, \$6.50 or \$4.50 for soup and sandwich buffet as well as discounted tickets to Forum events and other benefits.

For information: Call (814) 865-7590, e-mail fscub@psu.edu or check the Web at <http://www.psu.edu/dept/fsc/>.

the club will only continue to grow. She wants to see more varied topics and discussions planned for coffee hours and cocktails to broaden appeal to all ages and backgrounds.

"For retirees, it becomes a very integral part of post-retirement life," Wagner said.

Herbert Wheeler retired from the University about 20 years ago as professor of architectural engineering. He and his wife Cicely are among the regulars at the "open" table in the back. "The club brings people together," he said.

"It's great for us to come and be with the young people," Cicely chimed in.

Tammy Homan is the club manager and she plans the special monthly luncheons. "We couldn't do without Tammy," Cicely Wheeler said. "She keeps things going."

Homan said Mondays are the quiet day at the club, but that by Wednesday, things are really jumping with 50 or 60 people lining up at the buffet or crowding around tables.

Other programs coming up this semester include the Spring Fling Dinner on April 19, a wine tasting on May 4 and themed luncheons such as "A Taste of Ireland" in March, Homan said.

"The evening dinner specials held at regular intervals during the academic year have expanded greatly and give us a chance to meet both current members of the University community and many of the retirees who like to come back and renew old acquaintance," said Barton Browning, associate professor of German, who is one of the club's founding members, adding that the club expresses "something of Penn State's concern for members of the Penn State community."

Tweaking the settings



Anne Lenox, a senior majoring in forest science, works on one of the pictures for her Web site, which she entered in the Undergraduate Web Fair.

Photo: Greg Grieco

Web fair

Continued from page 1

dents that demonstrated sound scholarship and effective design.

A panel of 54 judges, composed of students, faculty and information technology specialists, began reviewing the nominated Web sites in mid-January, and notification was sent to 10 individuals and 11 group winners on Feb. 14. The winning students will attend a luncheon on Feb. 28, where laptops and a variety of other prizes donated by Apple, Compaq, Lockheed Martin and Gateway will be presented by John Cahir, vice provost and dean for Undergraduate Education.

According to John Harwood, senior director of the Center for Education Technology Services, the unit that served as the chief sponsor of the online competition, the contest uniquely recognizes how the Web has permeated the undergraduate curricula in a number of ways.

"Rather than being consumers of Web resources," he said, "students are now expected to be producers — not of simple personal Web pages, but much more sophisticated, semester-long projects either as individuals or as teams."

While many institutions hold graduate research fairs, the University is singular in having been host to an undergraduate research fair, Harwood added.

A wide selection of Web sites from University Park and other University locations were submitted for the contest. Entries included Web sites designed to communicate information about such diverse topics as language acquisition, soil erosion, retail marketing, aerodynamics and traumatic brain injury.

The diverse representation of academic disciplines among the entries was a welcome outcome of the competition, according to its organizers.

Undergraduates report that participating in the Web Fair has helped to give them a range of new skills, such as knowing how to convey complex information in a way that can be understood by large audiences.

"It took hours to develop some of the features in my Web site," remarked Anne Lenox, a senior majoring in forest science, who submitted an entry she developed for an agriculture education course, "but in the end I felt I created a very aesthetically pleasing site with important information that anyone can access. I know this will reach many more people than a pamphlet about forestry could."

Lenox's Web site, which offers information about the student chapter of the Society of American Foresters at Penn State, has recently been linked to the School of Forest Resources Web page at <http://www.afrcs.psu.edu/SAFE/af.htm>. Consequently, she anticipates that her site will be accessible to a wide variety of people each year, including potential forest science majors.

"With the tools that are available, it's true that anyone can create a Web page," said Susan Monk, assistant professor of kinesiology, "but designing a meaningful experience for the user is a more sophisticated process. A competition gives the student the experience of extracting important concepts and then planning and implementing the dissemination of those concepts. These are skills that will serve students throughout their lives."

As one of the judges in the competition, Monk carefully reviewed 10 students' Web sites for qualities such as appropriate integration of multimedia, use of effective navigation strategies, awareness of the audience — as well as sensitivity to access issues for people with disabilities.

The judges' selections will soon be on display for all University community members, since contest organizers plan to create a "virtual museum" that will showcase the winning Web sites.

"The ingenuity evident in students' online work makes all our related activities worthwhile," said Harwood. "The Web Fair is an opportunity for students, faculty and staff to share in these significant experiences."

Perspective

Continued from page 1

Penn State student and faculty speech with the implication that free speech activities deemed inappropriate by certain legislators will be prevented in the future.

Student organizers posted a sign on the door leading into the event saying "This room contains sexually explicit materials — enter at your own risk," so that students and others could avoid the materials if they so chose. The same elected official, however, has shared his description of the material he saw there broadly in numerous public forums. Student affairs staff and police present at the event, along with University attorneys, confirmed that nothing done by the students was illegal.

But in a statement made by Penn State President Graham B. Spanier to members of the state Legislature, he said there were components of this student-run event that were embarrassing and beyond the bounds of good taste. Nevertheless, the University stood behind the right of students to



Graham B. Spanier

exercise freedom of expression and the right of students to make decisions about how their own funds are spent.

Residence hall buildings such as Pollock are paid for by students through their room and board fees, not through taxpayer funds as indicated in some news reports, and the upkeep of those buildings also is funded entirely by the students living there.

Despite the legalities of the situation, Spanier was troubled by what he saw at the event.

"I want to apologize to you, as I have to others, for any discomfort or confusion caused by the actions of some of our students who, while presenting what they felt was an educational program, exceeded the bounds of good taste expected by most Pennsylvanians," Spanier told the Legislature. "I found components of this event offensive and embarrassing to Penn State," he added. "I pledge to have our staff work with the students to help them plan events that retain their educational value but at the same time minimize the shock value that has been the hallmark of recent programs," Spanier said.

To provide some perspective, Spanier said, it may be worth noting that during the same evening that a small number of students were attending the State Fair, there were 16,000 people in the nearby Jordan Center for the Penn State-Indiana basketball game, more than 5,000 people in Rec Hall at the men's and women's gymnastics meet, and several thousand people at the HUB watching movies, playing games, attending a dance, eating and socializing. There was a standing-room only crowd of more than 1,000 students in the HUB's Alumni Hall alone attending the regional finals of the brouha a cappella student singing competition. Moreover, this past weekend, thousands of students participated in the largest student-run philanthropy in the nation. Months of hard work culminated in raising a record-breaking total of \$3.6 million for support of children with cancer, their families and cancer research. Spanier said that he is proud of Penn State's students and regrets that one of the University's more than 500 student organizations might have a negative impression with the public.

Student research soars to new heights

By ANDREA ELYSE MESSER
Public Information

This March, four undergraduate engineering students will risk their equilibrium and stomachs aboard NASA's KC135, nationally known as the "Vomit Comet," to test modifications to exercise equipment used in space.

Chosen as participants in NASA's Reduced Gravity Student Flight Opportunities Program, the group will test a modification of the Subject Load Device, the equipment currently used aboard the shuttle to tether astronauts to a treadmill in an attempt to ward off microgravity-induced osteoporosis.

"We don't know whether astronauts are loading their hips and spines to levels found here on Earth," said James Pawelczyk, assistant professor of kinesiology and one of the group's co-advisers. Pawelczyk was a payload specialist during STS-90 on the space shuttle Columbia.

NASA's current Subject Load Device is passive, providing only the force of springs to tether the subject.

"We wanted a meaningful experiment, not just something we created to fly on the KC135," said Dawn Noga, a sophomore in engineering science. "We wanted a practical application to keep humans healthy in space."

"The problem is that the current design can't accommodate the range of motion found in typical human activities like squatting and running," said Pawelczyk.

Combating osteoporosis in microgravity is important because inhabitants of the Russian space station MIR experienced a bone-loss rate of 1.5 percent a month, 15 times greater than that experienced by post-menopausal women. Osteoporosis may be the limiting factor in long distance space flight, but understanding bone loss in space also might help treat age- and immobility-induced bone loss.

Generally, NASA wants to load the hips of the astronauts with force equal to their body weight," said John Halenar, senior in electrical engineering. "But with the current system, if they load a 200-pound person to 200 pounds of force, the tension on the springs will be set at specific values. If that person bends over, then the tension decreases and the equipment would apply a proportionately lower load."

The modified equipment the students plan to test will have an active feedback system to produce a constant load. The new approach also will allow exercise that requires bending or squatting, exercise that will not work on the current system.

Four members of the eight-student team will fly aboard the Boeing KC-135A, two in each of two flights. John; Dawn; Ben Weber, senior in mechanical engineering; and Bill Marshall, senior in mechanical engineering, will brave the "Vomit Comet." The other four team members, Amy Seaman,



James A. Pawelczyk, assistant professor of kinesiology, prepares to catch a ball as part of an experiment during an exercise in a NeuroLab trainer. Pawelczyk was a payload specialist for STS-90, the final SpaceLab mission, launched in 1998. He is one of the co-advisers to the Flyin' Lions, who will test modified exercise equipment on NASA's KC135, known more commonly as the "Vomit Comet."

File photo courtesy of NASA

sophomore in chemical engineering; Mike Moss, sophomore in electrical engineering; Robyn Berridge, sophomore in electrical engineering; and Dana Ahmed, sophomore in electrical engineering, will provide ground support. The group, including their co-adviser Sven Bilen, assistant professor of engineering design and graphics and electrical engineering, will spend a week at NASA Johnson Space Center, Houston, Texas, and will test their device both on the ground and in the air.

"The NASA Reduced Gravity Student Flight Opportunities Program provides an excellent interdisciplinary design experience for the students," said Bilen. "The students are in several different majors and are at different stages of their education. They have found that they have to work together effectively to meet deadlines and to develop a winning and ultimately flyable design."

The KC-135 simulates microgravity conditions by flying a roller-coaster shaped path, where the roller coaster has a 12,000-foot hill and the participants ride 40 times in a row. The top-most portion of the hill and the change in direction provide from 20 to 30 seconds of simulated microgravity during each loop. Although NASA routinely issues motion sickness medications, the "Vomit Comet" generally earns its nickname.

The Flyin' Lions' laptop computer and the modified subject load device

consisting of two stepper motors to provide the active feedback force, a worn gear system and backup springs, along with the existing exercise harness.

The force plate upon which the students will walk or squat will be fixed so that the subjects will be lying down during most of the flight, helping them to avoid motion sickness. During the simulated microgravity portion of the flight, one student acting as the subject will either step in place or squat while wearing the exercise harness. Halfway through the flight, the two students on board will switch places and continue the experiment.

The students recognize that this is a proof-of-concept experiment that may or may not prove useful. Pawelczyk, however, believes that the experience goes far beyond the experiment or the classroom.

"These undergraduates have had to sit before the Behavioral and Biomedical Institutional Review Board, they have been through a design review, reacted to feedback and written their proposal. These are real-life experiences that they will find valuable in their professional careers."

The students also have planned a broad outreach program which includes a project journalist, Katie O'Toole, writer and co-host of "What's In The News," a WTSP public television show aimed at grades-school children. O'Toole also will be on the plane with the students.



Lectures

Euthanasia proponent to give talk

Peter Singer, a Princeton professor, philosopher and proponent of euthanasia, will discuss the decisions that are made about life and death at 7:30 p.m. Tuesday, Feb. 27, at the Adler Athletic Complex at Penn State Altoona.

His speech, titled, "Making Decisions about Life and Death," is part of the college's Distinguished Speaker Series.

Singer was the founding president of the International Association of

Bioethics and founding co-editor of the journal *Bioethics*. He also is a controversial proponent of euthanasia, and not just for the terminally ill, but also in some cases, for the very young. In his book, *Practical Ethics*, Singer wrote, "killing a disabled infant is not morally equivalent to killing a person. Very often it is not wrong at all."

The Distinguished Speaker Series is free to the public. Tickets are available at the Penn State Altoona Bookstore.

Globalization examined in graduate seminar

Ronald Judy of the University of Pittsburgh will discuss "Globality and Intelligence" from 2:30 to 5:30 p.m. Feb. 27 at 306 Burrows Building on the University Park campus.

Judy's presentation is part of the Department of Comparative Literature

and the Center for Global Studies' graduate seminar on the topic of "Globalization and Academic Discourses."

More information is available from D.J. Kadir, director of the Center for Global Studies, who is teaching the seminar, via e-mail at kadir@psu.edu.

Agronomy seminar scheduled for Feb. 23

"Integrating Research and Extension to Develop Phosphorus Management Strategies for Farms in the New Millennium" is the topic of the next seminar in the Department of Agronomy.

Douglas Beegle, professor of agronomy; Jennifer Weld, project associate;

and Andrew Sharpley, adjunct professor of agronomy, will present the seminar from 3:35 p.m. to 4:25 p.m. Feb. 23 in 118 Agricultural Sciences and Industries Building on the University Park campus.

For more information, call (814) 863-1601.

PARTINGS

Bickle served 35 years with University

Doris J. Bickle, assistant coordinator of research funds in The Smeal College of Business Administration, retired Jan. 1 after 35 years of service.

She started with the University on April 18, 1966, as an inventory control clerk in the Department of Housing and Food Service. She stayed in that position until June 1967 when she accepted a position with the Center for Research (later known as the Division of Research). While there, Bickle was a staff assistant working with the production and publication of the

Pennsylvania Business Survey, a collection and analysis of data on the Pennsylvania economy and its metropolitan areas, up until it was discontinued in December 1993.

Since that time, she worked as assistant coordinator of research funds in The Smeal College of Business Administration. In this position, she assisted faculty members with the preparation of their budgets and processed their proposals through the Office of Sponsored Programs.

Architecture professor retires after 26 years

After teaching for 26 years at the University, Arthur K. Anderson Jr., professor of architecture, retired at the end of the fall 2000 semester.

Anderson earned a bachelor of architecture degree from the University in 1956 and a master of fine arts degree in architecture from Princeton in 1958. He has been a visiting lecturer at universities in South Africa, Mexico, China and Italy. He was a recipient of the Lindback

Award for Distinguished Teaching at the University and has been named a Distinguished Associate at both Miami University of Ohio and Penn State.

Anderson plans to continue his professional practice of architecture, write on architectural theory and travel. He also plans to continue public service work with the Citizen's Advisory Committees of the State College Area School District.

'Brief History of Universe' to be recounted

A free public lecture titled "A Brief History of the Universe" will be given at 2 p.m. Sunday, Feb. 25, in 101 Thomas Building on the University Park campus.

Jane Charlton, associate professor of astronomy and astrophysics, will give the lecture. Charlton's talk is the third of six in the 2000-2001 Friedman Lecture Series, which focuses this year on "Origins in Astronomy." Charlton plans to describe how an amazing sequence of



Jane Charlton

events unfolded to create our world and all that we know. Along with the formation of galaxies, Charlton plans to focus on the generations of stars that live and die within the galaxies as well as one fairly ordinary star that holds great importance for us — the sun. Her lecture is designed as an introduction for any interested members of the public.

Charlton joined the University faculty in 1992.

Palmer gallery talks focus on women's art

Two gallery talks have been scheduled as part of the exhibit of art by women which continues through April 29 at the Palmer Museum of Art on the University Park campus.

Jennifer Noonan, graduate assistant, will discuss "Power in My Hand: Works

on Paper by Women Artists from the Permanent Collection," at 1 p.m. Friday, March 23, at the Palmer Museum of Art.

Jan Abbott, graduate assistant, will discuss the same topic at 1 p.m. Friday, April 20, also at the Palmer Museum of Art.

Hall of Famer Lenny Moore to speak Feb. 26

Pro football and Penn State sports legend Lenny Moore will make a Black History Month presentation Monday, Feb. 26, at Penn State Harrisburg. Moore's appearance from noon to 2 p.m. in the Capital Union Building is free to the public. The former athlete will focus on the cultural impact of sports as part of his discussion, which will include a panel of area coaches and sports figures.

Moore starred for three years under

Coach Rip Engle at Penn State, amassing 2,380 yards and 23 touchdowns from 1953 to 1955. He then became the "Nittany Lions' first No. 1 draft pick when the Baltimore Colts selected him in 1956. Moore earned Rookie of Year honors in 1956 and was named All-NFL five times, played in seven Pro Bowls and was named Comeback Player of the Year in 1964. He was named to the Pro Football Hall of Fame in 1975.

APPOINTMENT

Filson named regional director for Extension and Outreach

Dave Filson has been appointed regional director for the South Central region of Cooperative Extension and Outreach.

Filson will provide programmatic and administrative leadership for Cooperative Extension and coordination for University outreach programs in the region's nine counties: Bedford, Blair, Cambria, Fulton, Huntingdon, Juniata, Milford, Perry and Somerset.

Filson joined the University in 1984 as an agricultural agent in Milford County. In 1991, he was named county

extension director for Mifflin and Juniata counties. Since 1998, he also has directed the University's first Outreach and Cooperative Extension Center in Lewistown.

Filson received his bachelor's degree in agronomy and master's degree in extension education from Penn State. He is a member of numerous professional organizations. He has won several communications awards and received the NACAA Distinguished Service Award in 1999.

OBITUARY

James W. Shigley, professor emeritus of biochemistry, 81, of State College, died Feb. 1.

Shigley earned his bachelor of science degree in biochemistry from Penn State in 1940; his master of science degree in biochemistry from the University of Maine in 1942; and his doctorate in biochemistry from Penn State in 1949.

An Army veteran of World War II, Shigley served in the European Theatre. Shigley retired in 1987 as professor emeritus of biochemistry after 38 years at Penn State.

Memorial contributions may be made to The James W. Shigley Memorial Scholarship in Biochemistry, 430 Thomas Building, University Park, Pa. 16802.



News in Brief

Birding Cup goal is \$25,000

Shaver's Creek Environmental Center is setting a new goal for the annual bird-counting fund-raiser in recognition of its 25-year anniversary.

The goal of the 2001 Birding Cup, to be held from 9 a.m. to 9 p.m. Friday, May 4, to Saturday, May 5, will be to raise \$25,000. Proceeds from the event support the daily care and feeding of the raptors at Shaver's Creek, as well as support educational programs.

Each year, teams compete for 24 hours during the peak of bird-migration season to count the most bird species. Team members solicit pledges from individuals and corporate sponsors based upon the number of species identified by their team.

For information about The Birding Cup, to make a pledge or to participate, call (814) 863-2000 or (814) 667-3424, e-mail ShaversCreek@outreach.psu.edu or check the Web at <http://www.outreach.psu.edu/ShaversCreek/>

Upward Bound opportunities

A number of teaching and other opportunities are available to persons interested working with Upward Bound students this summer.

Upward Bound is looking for candidates to instruct high school classes during the second six-week summer session at University Park. Teaching opportunities will be available in composition/literature, mathematics, science and Spanish. The program is seeking individuals who will spend five hours a day, Monday through Friday, with teen-agers ranging from age 14 to 18.

Upward Bound's summer program runs from June 25 through July 27. Anyone interested should contact Rocco Infantino, assistant director, at

(814) 865-2320 or e-mail rj2@psu.edu

The Upward Bound Math and Science Center at University Park also is seeking teachers and speakers during the summer session as well as individuals engaged in research during June and July who would be willing to supervise one or more responsible upperclassmen as research interns at their site for several hours each week.

The program runs from June 24 through July 28. For information, contact Ron Williams, project director, at (814) 863-4291 or e-mail rcw1@psu.edu.

Articles delivered electronically

The University Libraries' Interlibrary Loan (ILL), a new software program titled Prospero, is now able to deliver articles electronically to a patron's desktop.

Patrons still may receive some articles in the mail, because approximately 25 percent of ILL's articles are not received electronically. Also, ILL will mail articles to patrons who request not to use the new service.

Prospero converts incoming library documents into Portable Document Formats (PDFs), which are then viewable on a patron's home computer with free programs such as Adobe Acrobat Reader.

The Prospero software allows ILL to forward the converted files onto a secure Web server, while simultaneously notifying a patron that the requested article is now viewable on the server. To view the file, a patron simply has to input his or her e-mail address and a PIN provided by ILL. The article is viewable for three weeks during which time only the patron can view, save or print out the file before it is deleted from the server. This program, available only to University Park patrons, will soon be available to Penn State libraries.

Getting ready for spring



Sharon Cori and Don Bailey, who work for the landscaping department of the Office of Physical Plant, get in some early outdoor cleanup in front of Chancie Lab on the University Park campus. The two were raking dead leaves and clearing brush.

Photo: Greg Grieco

AWARDS

Nutritional sciences society honors scientist

Penn State nutrition scientist A. Catharine Ross has been selected to receive the Osborne and Mendel Award of the American Society for Nutritional Sciences for her outstanding basic research accomplishments related to vitamin A.

Ross, who holds the Dorothy Foehr Huck chair in nutrition in the College of Health and Human Development, will receive the award at the society's annual meeting. Ross has made major contributions to understanding the functions and metabolism of vitamin A by linking basic biochemical research with dietary studies.

Ross has recently turned to studies of the molecular and genetic regulations of vitamin A activity. She expects to link her molecular and biochemical

studies with practical dietary findings. Using mice and rats, she and her colleagues recently cloned and characterized the gene for an enzyme that is critical to the storage of vitamin A in the liver. The recent studies showed that regulation was controlled at the gene level and earlier dietary studies showed that the enzyme's activity was sensitive to diet. Currently she is continuing the research program using human liver cell lines and human biopsy tissues. She expects to be able to use the data to extrapolate to optimal levels of the vitamin for human and animal health.

Ross joined the Penn State faculty in 1994. Previously she served as a faculty member in the Department of Biochemistry at the Medical College of Pennsylvania.

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-5085 or register online at <http://www.ohr.psu.edu/web/Classic/catalog/healthmatters.cfm>.

■ How Women Cope With Stress — WEL 197

Learn about tools that women use to cope with stress. Meets from 11:30 a.m. to 12:30 p.m. Tuesday, Feb. 27, in 110 Henderson, The Living Center. Free.

■ Heart Healthy Diet — WEL 235

Learn how to select and prepare lower fat foods that can help reduce the risk for heart disease. Meets noon to 1 p.m. Wednesday, Feb. 28, in 125 Reber Building. Cost: \$5, which is reimbursable for faculty and staff enrolled in the HealthAmerica HMO.

■ The Pros and Cons of Your Favorite Foods — WEL 238

Meets noon to 1 p.m. Thursday, March 1, in 102 Health and Human Development East. Cost: \$5, which is reimbursable for faculty and staff enrolled in the HealthAmerica HMO.

The 'Thon's the thing



Above, Jen Bertheaud, part of the morale team, danced with Tom Bowler, right, during the 48 hours of the annual Penn State IFC/Panhellenic Dance Marathon to raise funds for children suffering from cancer. Below, Jasmine Jordan of the Lancaster area takes a break from the crowd to play a little pinball. She is one of the many children who are helped by the Four Diamonds Fund.

Photos: Greg Grieco



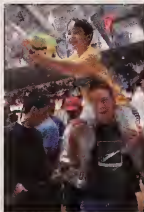
Dance marathon nets \$3.6 million

Penn State students once again showed the depth of their commitment to The Four Diamonds Fund, a charity for children with cancer, by raising \$3,609,830 during the annual 48-hour Penn State IFC/Panhellenic Dance Marathon at Rec Hall.

More than 2,000 participants, including 660 dancers, put on their boogie shoes and danced the night way to surpass last year's goal by about \$600,000.

The top fund-raisers were Alpha Tau Omega and Beta Tau Omega, collecting \$342,345, organizers said.

Dancing is hard work. To stoke the furnaces during the 48 hours of 'Thon, dancers consumed more than 2,000 meatballs, enough nachos to cover most of the Rec Hall floor, about 5,000 waffles and pancakes and 3,500 bagels, according to organizers. They also drank 250 five-gallon jugs of water as well as 2,500 individual-sized bottles of water and about 100 gallons of milk and orange juice. The dancers snacked on thousands of pieces of fruit, 16 trays of grilled stickies and 700 scoops of ice cream.



Neil Goldman carried Xavier Gallagher on his shoulders during the 'Thon, while Xavier cooled off some of the dancers with his water blaster.



Arts & Entertainment

'An Afternoon with the Arts'

Penn State Abington will continue its "An Afternoon with the Arts" program at 2:30 p.m. Sunday, Feb. 25, with a lecture by Don Luzzi, principal timpanist with the Philadelphia Orchestra. The program will be held in 112 Woodland Building.

Luzzi will lecture on Takemitsu's "From Me Flows What You Call Time" and Stravinsky's "The Firebird." The orchestra series features guest speakers who will lecture on the upcoming performances of the Philadelphia Orchestra.

The fee to attend a single lecture is \$15 and \$5 for senior citizens. The program is free to students with an identification card.

For more information or to register, call (215) 881-7368.

Flute concert

The Penn State Flute Studio will present its spring semester concert at 4 p.m. Sunday, Feb. 25, in the Esber Recital Hall, Music Building I, on the University Park campus. Students of Eleanor Duncan Armstrong, associate professor of flute, and Christina E. Andrae, graduate teaching assistant in flute, will perform. The concert is free to the public.

Symphonic Wind Ensemble

The Symphonic Wind Ensemble, under the direction of Dennis Glocke, associate professor of music, will present a concert at 8 p.m. Wednesday, Feb. 28, in the Esber Recital Hall, Music Building I, on the University Park campus. Dan C. Armstrong, professor of music, will be timpani soloist. Tickets are \$3 and are available at the door before the performance.

Bach's Lunch

The Penn State Glee Club, directed by Steven Zopf, instructor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, March 1, in the Helen Eskin Eisenhower Chapel on the University Park campus.

After the concert, audience members may take their bag lunches to the Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.



The Center for the Performing Arts presents "Tango Pasion" at 8 p.m. Saturday, Feb. 24, in Eisenhower Auditorium on the University Park campus.

Exhibit

"An Artistic Friendship: Beauford Delaney and Lawrence Calcagno," will be on display Feb. 27 through May 13 at the Palmer Museum of Art on the University Park campus.

The exhibit examines the close artistic and personal friendship between two important 20th century artists. At first glance, Beauford Delaney and Lawrence Calcagno might seem like an unlikely pair. Delaney (1901-1979), a black American from Knoxville, Tenn., spent most of his mature life as an expatriate artist in Paris. Lawrence Calcagno (1913-1993), a white American from northern California, spent much of his peripatetic career in the United States and in Europe in search of a place to call home.

A gallery talk on the exhibit by curator Joyce Robinson is planned for noon

Wednesday, March 14, at the museum. Also in conjunction with the exhibit the Palmer Museum of Art will sponsor a multimedia theatrical production, "Standing in the Light," at 7:30 p.m. Friday, April 20; 2 p.m. Saturday, April 21; 7:30 p.m. Friday, April 27; and at 2 and 7:30 p.m. Saturday, April 28, in the Palmer Lipcon auditorium at the museum.

Conceived and directed by Charles Dumas, associate professor of theatre, this original, three-character piece explores the emotional intricacies of the friendship between Delaney and Calcagno, as narrated by their mutual friend, the black writer James Baldwin. For ticket information, call (814) 865-7672.

AIDS Memorial Quilt

A portion of the AIDS Memorial Quilt,

the traveling tribute to the many lives lost to the disease, will be displayed March 2-3 at the Field House at Pennsylvania College of Technology.

Twenty-two, 12-foot-by-12-foot "building blocks" of the quilt — enough to fill the floor of the Field House — will be exhibited from 10 a.m. to 9 p.m. Friday, March 2, and from 9 a.m. to 1 p.m. Saturday, March 3. Each block contains eight colorful panels from the same region.

Presentations on the history of the AIDS Memorial Quilt are scheduled for 2 p.m. and 7 p.m. Friday, March 2. The event is being sponsored by the Student Activities Office, the Residence Life Office and Bi, Gay, Lesbian and Allies in Dialog at Penn College.

For more information about the event, call (570) 326-3761, extension 7874.

PENN STATERS

Donald D. Bergh, associate professor of management in The Smeal College of Business Administration, has been appointed as associate editor to the *Academy of Management Journal*. The Academy of Management is a professional society composed of professors who conduct research and teach management in colleges, universities or research institutes and doctoral students.

Travis DeCastro, associate professor of theatre, will

present "Multiple Uses for Spreadsheets" at the U.S. Institute for Theatre Technology Inc. National Conference in Long Beach, Calif. DeCastro also serves on the conference committee as the special events coordinator.

Yvonne Gaudelus, assistant professor of art education and women's studies, has been chosen to receive the 2001 Mary J. Rouse Award of the Women's Caucus of the National Art Education Association. Gaudelus

will receive the award at the National Art Education Association annual conference in March in New York City.

Judy Olian, dean of The Smeal College of Business Administration, was elected to a three-year term on the board of directors for the International Association for Management Education. She will assume her new role on July 1.



University Park Calendar

February 23 - March 2

SPECIAL EVENTS

Monday, February 26

"Turning Oown the Heat," video, 12:05 to 1 p.m., 105 Delke.

Wednesday, February 28

"Oil Well Blowouts — Ask the Right Questions (Mine Safety)," video, 12:05 to 1 p.m., 105 Delke.

MUSIC

Saturday, February 24

"Tango Pasión," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, February 25

"Italian Impressions," Nittany Valley Symphony Concert, 4 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

The Penn State Flute Studio, 4 p.m., Esber Recital Hall, Music I.

Esber Recital Hall, Music I.

Wednesday, February 28
The Symphonic Wind Ensemble, Dennis Glocke, director, 8 p.m., Esber Recital Hall, Music I. Tickets available at the door.

Thursday, March 1

The Penn State Glee Club, Bach's Lunch concert, Steven Zopli, director, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, February 23

Ouglas Beegle on "Integrating Research and Extension to Develop Phosphorus Management Strategies for Farms in the New Millennium," 3:35 to 4:25 p.m., 118 Agricultural Sciences and Industries.

Karen Till on "The Topography of Terror: Memory and Landscape in Berlin," 4 p.m., 301 Steidle.

Sunday, February 25

Jane Charlton on "A Brief History of the Universe," 2 p.m., 101 Thomas.

Monday, February 26

Gina Egan on a title to be announced, noon, 318 Osmond Laboratory.

Michael Fogler on "Liquid Crystals and Quantum Hall Effect," 3:30 p.m., 339 Oavey Laboratory.

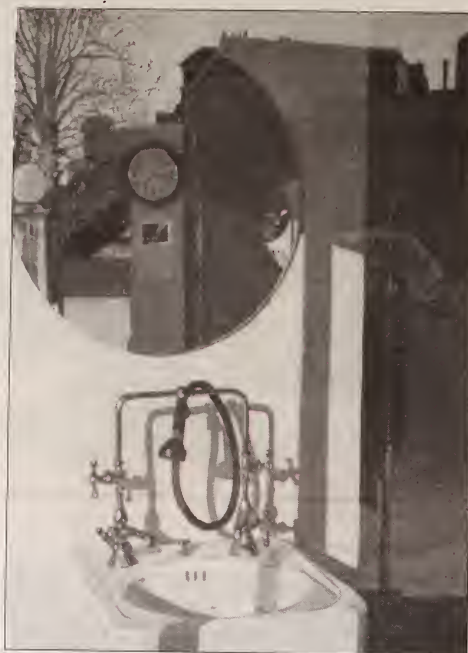
Tuesday, February 27

Andrew Zydny on "Protein Purification by High Performance Tangential Flow Filtration: New Opportunities for Membrane Technology," 10 a.m., 140 Fenske Laboratory.

Robert Pietnick on "The Impact of Child Support Enforcement Policy on Non-marital Childbearing," noon to 1 p.m., 406 Oswald Tower.

Ronald Judy on "Globality and Intelligence," 2:30 to 5:30 p.m., 306 Burrows.

Reko Yajima on "Novel Approaches for Inhibiting Protein Kinases," 4 p.m., 55 Osmond Laboratory.



"Barbershop Mirror" by Nancy McIntyre, part of the exhibit "Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," is on display at the Palmer Museum of Art on the University Park campus. This exhibit runs through April 29.

Maria Berry on "Eukaryotic Selenoproteins: Unique Mechanism of Biosynthesis and Roles in Endocrinology, Development and Disease," 4 p.m., S-209 Henderson.

Stanley Weintraub, author of *Whitaker: Portraits of American Writers and Artists in England, 1894-1914*, 8 p.m., Foster Auditorium, Pattee Library.

Wednesday, February 28

Barbara J. Rolls on "The Regulation of Food Intake: Implications for Managing Changes in Body Weight Associated with Aging," noon to 1 p.m., 108 Wartik Laboratory.

Elena Valdivia on "Analysis of the Maize Group — 1 Pollen Allergen," 12:20 to 1:10 p.m., 105 Wartik Laboratory.
Akhlesh Lakhtakia on "Where are the Meatballs?" 3:35 p.m., 114 Earth and Engineering Sciences.

Thursday, March 1

David C. Clary on "Hydrated Clusters, Biomolecules and Proteins: New Quantum Insights," 12:15 p.m., S5 Osmond Laboratory.

James Kadke on "Applying Chaos to the Real World" or "How I Learned to Stop Worrying and Love Uncertainty," 4 p.m., 117 Osmond Laboratory.

Friday, March 2

Melissa Bravo on "A Survey of Triazine Resistant Common Lambsquarters on Pennsylvania Farms," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

EXHIBITS

HUB-Robeson Center

"Natural Instincts," photography by Gino J. D'Angelo, through March 11.
"Congo Images," from the Matson Museum of Anthropology collection, through Feb. 28.

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

Kern exhibit area

"Lego Sculptures," by Alpha O. Harrison, through April 4.

"Retreat Photography by Jason Fagone," March 1 through May 16.

"Commonwealth College Faculty Books," March 2 through April 30.

North Halls exhibit area

"Direct Address," photographs by Jason Fagone, through Feb. 28.

"Restless Metropolis," photography by Oenton W. Smith Jr., through Feb. 28.

Palmer Museum of Art

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Daguerrotype Portrait in America," through May 20.

"An Artistic Friendship: Beauford Oeloney and Lawrence Calcagno," Feb. 27 through May 13.

Paterno Library

"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetler and Chris Gaines Memorial Library Collections," through May 15.

Pattee Library

"Just Beyond the Tip of the Tongue: A Literary and Extra-Literary Exhibit on Richard Wright," by Howard Ramsby II, through Feb. 28.

Exhibit on Fred Waring's Jazz band, through Feb. 28.

"The Public Poetry Project Initiated by Kim Fisher," honoring Fisher's memory, through Feb. 28.

"Celebrating Martin Luther King Jr. and Black History Month," student-designed posters, through Feb. 28.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

BOOK SHELF

Colleen Kelley, assistant professor of speech communications, Penn State Erie

The Rhetoric of First Lady Hillary Rodham Clinton: Crisis Management Discourse, Greenwood Publishing Group

Kelley's book, published earlier this month, explores the way Clinton merged the traditional wife's role with that of a savvy politician, skilled in the discourse needed to manage crisis situations. By examining the rhetorical

styles of previous first ladies, Kelley puts Clinton's White House experiences into historical perspective. Kelley also takes a close look at the relationship of the mass media and first ladies.

In addition, Kelley explains how Clinton has employed her communication skills to strengthen her image and her husband's standing and move her political career forward.

Students to Celebrate TRIO Day

To honor students that have succeeded in college with the support of our nation's TRIO Programs, TRIO students, college graduates, administrators, counselors and teachers will celebrate National TRIO Day on Feb. 24. Several events are being planned at the University Park campus, including:

- An awards ceremony recognizing individuals at University Park and from the surrounding State College community who have made exemplary efforts to help students in the TRIO programs — scheduled for 2 to 4 p.m. Feb. 23 in Heritage Hall in the HUB-Robeson Center.
- A gathering of close to 200 high school students who participate in Upward Bound programs sponsored by Clarion University, Lock Haven University, Penn State University and St. Francis College — to be held on Feb. 24 on the University Park campus.

Since 1965, more than 10.5 million Americans (67 percent from poor and working families) have benefited from the services of the TRIO pre-college and

"In many communities throughout America, the TRIO Programs are the only programs that help low-income Americans to enter college, graduate and move on to participate more fully in America's economic and social life."

Arnold Mitchem

college programs: Talent Search; Upward Bound; Upward Bound Math/Science; Veterans Upward Bound; Student Support Services; the Ronald E. McNair Post-Baccalaureate Program; and the Educational Opportunity Centers.

Penn State University Park sponsors seven TRIO programs, which annually assist more than 4,000 low-income citizens from sixth-graders through adults to overcome social, economic and class barriers in order to advance their education beyond high school. TRIO students come primarily from low-income families (below \$25,500 for a family of four) in which the parents did not grad-

uate from college. Another program, the Comprehensive Studies Program, funded by the state and the University, helps in-state college students from similar backgrounds. The University also operates a College Assistance Migrant Program (CAMP) for students from migrant or seasonal farm-work families, funded by the federal government.

Since access and retention services are an absolutely essential component of the federal strategy to ensure equal educational opportunity, Congress established the TRIO Programs more than 34 years ago. These programs enable Americans regardless of economic circum-

stance, race or ethnic background to successfully enter college and graduate.

"In many communities throughout America, the TRIO Programs are the only programs that help low-income Americans to enter college, graduate and move on to participate more fully in America's economic and social life," said Arnold Mitchem, president of the Council for Opportunity in Education.

TRIO programs are designed to identify promising students, prepare them to do college level work, strengthen math and science skills, provide tutoring and support services to students once they reach campus, and provide information on academic and financial aid opportunities. More than 2,400 projects are held at more than 1,200 postsecondary institutions and more than 100 community agencies.

Thirty-nine percent of TRIO students are white, 36 percent are black, 16 percent are Hispanic, 5 percent are American Indian and 4 percent are Asian. Sixteen thousand TRIO students have disabilities.

PROMOTIONS

Staff

Lisa A. Baker, administrative assistant in College of Engineering

Floyd A. Benko, research support assistant in College of Medicine, The Hershey Medical Center

Eric D. Biddle, assistant director for admissions at Penn State Altoona

Kelly A. Bixler, senior data manager in College of Medicine, The Hershey Medical Center

Donna B. Black, senior research technologist in Eberly College of Science

Tun N. Chin, director, Computer and Information Systems — Library Computing Services

Brandon L. Claar, network analyst in Applied Research Lab

Susan D. Copella, director, Pennsylvania State Data Center at Penn State Harrisburg

Janet C. Decker, staff assistant VI at Penn State Wilkes-Barre

Margene L. Dillon, staff assistant VI in Division of Development and Alumni Relations

Richard D. Dumm, systems engineer I in Computer and Information Systems — Administrative Systems

Colleen M. Evans, assistant director of development in Division of Development and Alumni Relations

Deborah K. Evock, staff assistant VI in College of Earth and Mineral Sciences

Sandra S. Fenush, coordinator accounts payable in Applied Research Laboratory

Tolbert D. Filson, regional director in College of Agricultural Sciences

Lori L. Filtering, staff assistant VI in College of Medicine, The Hershey Medical Center

Linda L. Gallagher, network and systems analyst in Student Affairs

Lynette A. Goodrow, staff assistant V in

Office of Physical Plant

Darryl C. Griffin, applications programmer/analyst in Computer and Information Systems — Administrative Systems

Kimberly D. Guyer, staff assistant VI in Student Affairs

Susan M. Hall, employment specialist/training coordinator in College of Earth and Mineral Sciences

Donna A. Hawbaker, staff assistant VII in College of Agricultural Sciences

Jennifer T. Herrera, marketing/advertising assistant in Office of the Vice President for Research

Donna A. Holmes, director in Office of the Vice President for Research

Amy L. Homan, administrative assistant in College of Communications

Gail A. Hurley, director of housing and residential life in Division of Auxiliary and Business Services

Leslie Q. Jackson, staff assistant VIII in Division of Development and Alumni Relations

Susan L. Kelly, director, student affairs in College of Medicine, The Hershey Medical Center

Gwen L. Kendall, finance and accounting assistant in College of Medicine, The Hershey Medical Center

James Kerlin, director, Computer and Information Systems — Center for Academic Computing

Kathryn E. Kensingner, finance and accounting assistant in College of Health and Human Development

Sandra J. Kyler, program assistant II in Office of the Vice President for Research

Sue A. Lavan, associate director for contracts in College of Earth and Mineral Sciences

Joseph J. Lonjin, advanced engineering

aide in College of Engineering

David W. Love, coordinator farm and greenhouse operations in College of Agricultural Sciences

Jennifer M. Lutz, marketing manager in Auxiliary Services

Sunny R. Markley, staff assistant VI at Penn State Harrisburg

Jodi L. Mathieu, research compliance coordinator in Office of the Vice President for Research

Marilyn B. McPherson, administrative assistant II in College of Agricultural Sciences

William J. Moersschbacher, supervisor, police services in University Safety

Kathleen J. Morgan, Web coordinator/writer editor at Penn State Berks

Jason R. Neil, technician-research in College of Medicine, The Hershey Medical Center

Paul J. Nicolini, assistant manager food services in Housing and Food Services

Tammy M. Nissley, staff assistant VI in College of Medicine, The Hershey Medical Center

Robert P. Oakes, human resources coordinator IV in Division of Development and Alumni Relations

Alyssa D. Packer, staff assistant Vin Office of Physical Plant

Patricia A. Parkhill, external relations assistant at Penn State Abington

Jennifer L. Parks, staff assistant VI in College of Health and Human Development

Joyce A. Reed, staff assistant VII in College of Health and Human Development

John D. Reibison, quality assurance specialist in College of Medicine, The Hershey Medical Center

Kathleen M. Rider, associate director II

in Division of Development and Alumni Relations

Jeffrey L. Sawyer, network support specialist in Business Services

Christine L. Seal, senior technical specialist in Office of the Vice President for Research

Wilford A. Shaw, senior project associate in College of Engineering

Joe C. Shin, manager, network and information systems at Penn State Great Valley

Jeffrey Slapp, manager, network and information systems in Hospitality Services

Thomas E. Sowerby, supervisor, police services in University Safety

Melanie A. Stone, administrative assistant in College of Earth and Mineral Sciences

Marilynne W. Stout, director, Computer and Information Systems — Center for Academic Computing

Colleen W. Sweetland, assistant director, alumni relations in College of Earth and Mineral Sciences

Lucy J. Taylor, staff assistant VII in College of Health and Human Development

Lisa J. Thompson, staff assistant VI at University Park Airport

Carol L. Watts, staff assistant VI in College of Medicine, The Hershey Medical Center

Lisa R. Weidman, coordinator college relations at Penn State Berks

Lisa M. Whitaker, physician assistant/nurse practitioner in Student Affairs

Julia A. Zettle, staff assistant VII in Undergraduate Admissions Office, Office of the Vice Provost and Dean for Enrollment Management and Administration



Private Giving

Faculty, staff asked to give to University

Dear Colleague:

The Penn State Faculty and Staff Campaign — a component of the University's Grand Destiny capital campaign — has made good progress in recent years and continues to build momentum. This week the participation rate is 46.7 percent, compared with 42 percent in February 2000. Faculty and staff giving is important not only in actual dollars, but also because your gifts inspire the generosity of Penn State alumni and friends. A few of your colleagues who are donors will be featured in upcoming issues of Intercom.

We invite your continued support in this important effort. You know the strengths of Penn State and know the areas where contributions will make

the University even greater. Your gift can be directed to the areas where you choose to give. Information about how University Park campus employees can participate will be distributed by March 31. Other campuses are



THE
PENN STATE
CAMPAIGN

participating according to their own timetables.

We have only two years remaining to achieve our goals: to increase the generous amount contributed by faculty and staff and also to increase participation rates. Your help is needed to achieve these goals. Please join us in making a better Penn State.

Sincerely,
Gerry and Liz Susman



A Grand Destiny, The Penn State Campaign gets a boost from Elizabeth J. Susman, Jean Phillips Shibley professor of Behavioral Health, and Gerald I. Susman, Robert and Judith Klein professor of management.

Photo: Greg Grieco

Couple donates \$250,000 for MBNA Center

Penn State alumnus Ric Struthers and his wife, Sharon, have committed \$250,000 toward the new MBNA Career Services Center, to be built on the University Park campus.

The facility will bring all of the University's career services under one roof.

Ric Struthers is senior vice chairman of Wilmington, Del.-based MBNA America Bank. He graduated from The Smeal College of Business Administration in 1977. He is a member of the Smeal College Board of Visitors and the steering committee of the Grand Destiny Campaign, Penn State's effort to raise \$1 billion in private support over seven years.

Groundbreaking for the MBNA Career Services Building is expected to take place this spring. The center will feature more than 40 interview rooms, videoconference interview rooms, program areas and corporate and student service areas. The center also will offer programs specifically designed to enhance career services for Penn State alumni.

Last year, the couple created the Richard and Sharon Struthers Family Scholarship for Penn State students from Wilkes-Barre and Wilmington. The scholarship is intended to help contribute to the diversity of the student body.

Getting lamb-inated

A fine of lambs lingers over the hayrack in the sheep barns at University Park campus. The annual lambing is a spring ritual at the University.

Photo: Greg Grieco





Focus on Research

CEOs have rosier image of company ethics than do the rank-and-file workers

By PAUL BLAUM
Public Information

Many executives rate their company's ethical standards much higher than do most of their workers, according to two University business management researchers.

"In order to manage ethics effectively, senior managers must be in touch with rank-and-file employees and understand their perceptions of the company's ethical climate, as well as its ethics programs and policies. Unfortunately, this is often not the case because of managers' need to identify with the organization and protect its image, as well as their own," said Linda Klebe Trevino, professor of organizational behavior in the University's Smeal College of Business Administration.

"While previous research has found that executives influence how and to what degree ethics programs are integrated into everyday organizational life, our findings suggest that these same executives may be seriously out of touch with how these programs are perceived by the average employee in shop and office," noted Michael E. Brown, graduate student in business administration.

Trevino, Gary R. Weaver, associate professor of business administration at the University of Delaware-Newark, and Brown recently published their research on the subject.

In their study, the researchers surveyed 875 employees from two oil and gas companies and 420 employees from a financial services firm, including both senior managers and production and clerical workers. The surveys were mailed directly to the employee's home, accompanied by a letter from the company endorsing the research and encouraging employees to take part. Questions focused on perceptions of executives' attention to ethics and val-



Linda Klebe Trevino, professor of organizational behavior in the Smeal College of Business Administration, left, and Mike Brown, graduate student, surveyed nearly 1,300 employees about company executives' attention to ethics and values.

Photo: Greg Giesco

ues, the ethical climate in the firm and the extent of unethical conduct observed.

"Our data showed that executives are likely to have a rosier perception of organizational ethics than rank-and-file employees. This may be because of their identification with the organization and their need both to maintain the organization's image and their own," Trevino said. "Also, they devote much of their time and attention to the external management of the company, while entrusting management of internal ethics issues to professional staff such as clerical officers."

"Furthermore, information tends to be distorted as it moves up the organizational hierarchy, leaving senior managers somewhat naive about and protected from the realities of organization-

al ethics. In today's organizations, it is also arguable that senior managers are far removed from the average worker because executive compensation has grown to unprecedented levels. In some cases, the salaries of CEOs are several hundred times the pay of the lowest-paid worker," Brown said.

The researchers' study makes clear that senior managers need to understand better the viewpoints of rank-and-file workers in order to give executives a more realistic understanding of company ethics.

Trevino added, "Organizations need to create opportunities for regular employees to interact directly and regularly with senior managers about ethics issues so that management of organizational ethics is based upon accurate information."

Treatment prevents vein blockages after angioplasty

More than 300,000 angioplasty procedures are performed in the United States every year, but in almost 40 percent of those cases tissue grows back in the blood vessel and additional blockages develop — all because of the trauma associated with inserting the angioplasty catheter itself.

However, researchers at The College of Medicine in Hershey have made significant progress that virtually eliminates that new tissue growth, thereby reducing the risk of subsequent blockages and the resulting heart damage.

The team of scientists, led by principal investigator Mark Kester, associate

professor of pharmacology, has worked for the past five years to solve this significant medical challenge.

Kester explained, "While angioplasty has literally been a lifesaver for millions of patients, the very act of inserting a catheter causes arterial damage. The damaged artery responds to this trauma with rapid vascular smooth muscle cell growth at the site of the injury (known as restenosis), resulting in a blockage and a significant reduction in blood flow. Our research has revealed that using an analogue of a naturally occurring membrane component called ceramide inhibits the

growth of those smooth muscle cells so that blockages don't develop."

Kester and his team found that when the balloon angioplasty catheters are coated with a cell-permeable ceramide, the growth-inhibiting drug can be delivered to the precise area injured by the inflation of the balloon catheter. Through both cell culture system and animal trials, the ceramide was found to be a safe and effective therapy, preventing vascular smooth muscle cell growth and resultant arterial obstruction. Additional testing is planned with clinical trials anticipated in two years.

Post-Castro Cuba should look to past

A democratic government and political freedom could be authentic possibilities for post-Castro Cuba, if pre-Castro history is any guide, according to a Penn State researcher.

"Casual observers of Cuban history might see only two choices after Castro: the rule of entrenched wealth and military dictatorship à la Batista, or a continuation of Fidel Castro's socialist revolution," said Charles D. Ameringer, professor emeritus of Latin American history at University Park. "However, a third option could be real democracy, which had a little-remembered trial run in Cuba between 1944 and 1952."

Ameringer has conducted research on the Auténtico government (1944-1952), resulting in the book, *The Cuban Democratic Experience: The Auténtico Years, 1944-1952*, published by the University Press of Florida.

"The Cuban Revolutionary Party-Auténtico (PRCA) administrations of Ramón Grau San Martín and Carlos Prío Socarrás, though marred by serious flaws, together represented a unique era in Cuban history," Ameringer noted. "In two free elections (1944 and 1948), Cubans had their first chance to vote for a government committed to protecting civil liberties, promoting Cuban culture and achieving economic independence."

Commentary looks at bone fragments

Pat Shipman, adjunct professor of anthropology, has authored a commentary titled "What Can You Do With a Bone Fragment?" published in the *Proceedings of the National Academy of Sciences*.

The commentary concerns a recent discovery that early pre-humans who lived between 1.8 and 1.1 million years ago at two locations in South Africa apparently used bone tools regularly to collect termites — presumably to eat them. Lucinda Backwell of the University of the Witwatersrand in Johannesburg, South Africa, and Francesco D'Errico of the National Scientific Research Center in Talence, France, examined wear patterns on a variety of bones after they had used them to dig for bulbs and tubers, pierce and scrape animal hides, and break into termite mounds. They then compared the wear to those on the fossil bones.

Shipman calls the team's research a "remarkable" achievement because it reveals that the wear patterns on the fossil bone tools most strongly matched the patterns resulting from digging into termite mounds.

For more on this story, go to <http://www.science.psu.edu/aler/Shipman2-2001.htm>



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Statistical Snapshot 1995-2000

	1995	1999	Percent change
Population	80,575 (1999)	68,075	-18.4
Enrollment	81,270	73,500	-10.6
Minority Enrollment	9,576	6,257	-34.4
African-American Enrollment	1,459	2,451	41.1
International Student Enrollment	3,404	2,280	-58.9
Endowment	\$1,003 billion	\$312.3 billion	-221.2
Equal Fund Ratio	\$70.9 million	\$82.5 million	17.2
Number of Donors	116,053	100,284	-15.7
Alumni Association Members	144,222	122,619	-15.0
Annual Budget	\$1.15 billion	\$1.51 billion	30.9
State Appropriation	\$311.6 million	\$269.1 million	-23.3
Operating Expenses	\$220.6 million	\$144.3 million	-34.6
Industry-Sponsored Research	\$20.6 million	\$5.4 million	-34.7
Patent/Licensing Revenue	\$3,043,375	\$248,979	-1122.6
Invention Disclosures	204	102	-300.0
Deployment of New Technology			
— Access Accounts	61,000	64,000 (1995)	46.4
— E-Mail (Number Daily)	2,100,000	30,000 (1995)	601.0
— Personal Web Accounts	37,000	1,400,000	3,233.0
In the past five years, Penn State has accomplished the following:			
■ Reorganization and expansion of the Center for Public Purpose ■ Launching of The Dickinson School of Leadership Education ■ Establishment of the Newberry House College ■ Creation and Launching of the Penn State World Campus, which already includes 15 campuses around the globe (2000 data) ■ Creation of the Center for Enterprise and Technology, which already has more than 50 members ■ Reorganization and expansion of the Center for Outreach and Cooperative Programs ■ Significant expanded deployment of new information technologies			

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Intercom

INFORMING THE PENN STATE COMMUNITY

MARCH 2, 2001

Spanier makes case for University funding

By ANNEMARIE MOUNTIZ
 Public Information

During budget hearings before the state Senate and House earlier this week, President Graham B. Spanier stressed the importance of state support for the University. The funding received for the current fiscal year, he said, enabled the University to make important progress in initiatives in information sciences and technology, workforce development, life sciences, environ-

mental studies, materials science, and children, youth and families.

In his testimony before the appropriations committees, Spanier emphasized that to continue that progress, the budget proposal put forth by Gov. Tom Ridge for 2001-02 must be seen as a starting point for discussing the needs of the University and the Commonwealth in developing a highly educated and productive workforce to enhance the state's competitiveness.

The governor's proposal does not

include the continuation of \$7 million in funding for key elements of last year's appropriation, nor does it address the University's special requests for this year including critical funding for the College of Medicine, the School of Information Sciences and Technology, and environmental compliance. The budget proposed a 3 percent increase in the remaining items in the Penn State budget, but overall reflects only a .62 percent total increase from the 2000-01 appropriation.

The University's requested budget increase would be used primarily to support basic operating costs. Special emphases are improving faculty and staff salaries, meeting escalating health-care costs and providing support for facilities improvements and deferred maintenance; \$13.8 million has been requested for these costs.

In response to a question from Sen. Roger A. Madigan (R-Bradford County)

Budget, page 2

Thinking of others



Students and others were busy baking in Mateer Building on the University Park campus a few weeks ago, in an effort to raise money for Project Haiti. The project involves 42 students traveling to Haiti to take on community service projects and deliver donations of basic necessities. Other alternative spring break trips planned this year include: The Crabapple Gang will send 27 students to California to plant upwards of 27,000 trees in an area of Tahoe National Forest that was ravaged by fire in 1999; student Annina Burns will lead 10 members of the group she founded, Nutrition Service Project, to a lower-class neighborhood in rural Pennsylvania to provide a nutrition education program for approximately 200 middle and high school students; Christian Student Fellowship will bus more than 90 students to North Carolina to assist in the continuing recovery from the devastation caused by Hurricane Floyd in 1999; Penn State's Habitat for Humanity will sponsor 145 students on 10 spring break service trips throughout the south; and nearly 200 student members of the Alternative Spring Break Club will work on eight projects focusing on urban issues.

Photo: Greg Grieco

Students gain personalized attention from variety of programs

By JULIE A. BRINK
 Public Information

When students participating in this year's Steppin' Out, a multicultural career planning conference, sit down to lunch, they'll learn how to mind their business etiquette p's and q's.

"We talk about everything from picking up utensils to bad foods to order because they're difficult to eat," said Chris MacGill, coordinator for the Career Services-sponsored program, which will be March 16 and 17 at the HUB-Robeson Center. It is one of the many programs at the University that enhance education and prepare graduates for professional careers. These range from large events, like the annual career days and student activity fairs that draw thousands of participants to others, like Steppin' Out, which expects to draw about 150 participants, that focus on a more intimate relationship with students and hope to break down traditional communication barriers.

The University can be an intimidating place for many students and the burden of choosing a career can be just as perplexing. The coordinators of these smaller events say their focus is on improving students' confidence and raising their comfort levels.

"I think these are important and valuable programs," said Jack Rayman,

Students, page 3

Budget

Continued from page 1

during the Senate committee hearing Feb. 26, Spanier said the loss of funding would be "somewhere between difficult and catastrophic." He said that \$2 million of the money was directed specifically for workforce development at Penn College and the other \$5 million to several University-wide initiatives important to the Commonwealth.

"You can't begin long-term academic programs, you can't begin to hire staff if the following year you don't get those funds. If the University doesn't get that funding, it amounts to an overall cut in the budget and we'll be backtracking on progress made in this area," he said.

Making life better

Spanier highlighted some of the many areas in which Penn State makes life better for citizens of Pennsylvania.

"The educational programs offered by Penn College have been a phenomenal success — producing critical workers for the Commonwealth and its economy," Spanier told the committee members. "Nearly 100 percent of our graduates have jobs or are continuing their education and 86 percent of Penn College graduates remain in Pennsylvania."

In addition, the University's School of Information Sciences and Technology is a key asset to the state. The University has worked closely with public and private colleges and universities, and with industry partners throughout the state on a number of programs. The University offers seven different IST certificates, and online IST courses are currently taught at colleges and high schools around the state. The school has made unprecedented progress in a short period of time with the encouragement of the Commonwealth and with the assurance of continued state support.

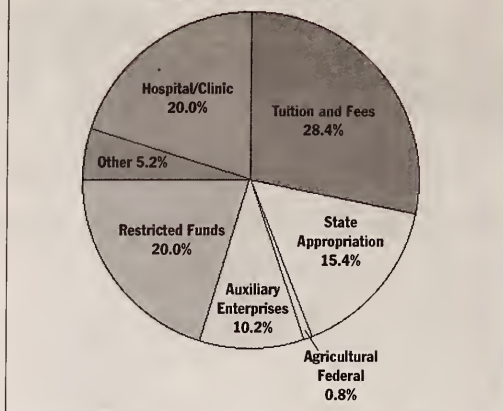
"As we enter the knowledge-based economy of the 21st century, we have the need for thousands of new workers at every level of academic achievement," Spanier said. "In only our second year admitting students, we already have more than 2,000 students at 19 campuses and through our World Campus involved in Penn State Information Sciences and Technology programs. The amazing thing about this is that they all essentially have jobs waiting for them and the oldest of them are just sophomores."

Spanier also pointed out that the University has started training programs for faculty members from other colleges and universities in Pennsylvania, who are learning from Penn State what they might be able to do at their own institutions. Without moving existing funding to the permanent base for 2001-02 and without the additional funds requested to sustain the progress, the ability of the school to hire top faculty and deploy programs on an ongoing basis is seriously jeopardized, Spanier said.

House off-topic

In contrast to the Senate hearing, which concentrated on particulars of the budget, the House hearing quickly strayed off topic. Most of the four-hour hearing on Feb. 28 dealt with the Sex Fair held recently on the University Park campus. Rep. John L. Wells (R-Montgomery County) showed a

Penn State's Total Operating Budget



five-minute video of selected scenes from the event, and several lawmakers denounced the event as wrong or immoral.

In response, Spanier told the lawmakers that while he found some of the materials at the event to be offensive, the students were within their rights to hold the event. Spanier argued that universities must support freedom of expression.

"We are in the difficult position of drawing the right distinction between protecting free speech and upholding community standards," Spanier said. "It is a difficult line to walk."

Spanier said that as a result of that event and another held earlier this academic year, the University is looking at new policies on banner hangings and having more advising from Student Affairs staff for student-run events, Spanier also said that the University may limit some programs to University students only, with student IDs required for admittance to eliminate the possibility of minors from the community attending events that would be inappropriate for them.

LionHeart

Other House committee members questioned Spanier on the budget, including the importance of funding for the College of Medicine. Rep. Lita Cohen (R-Montgomery County) asked Spanier specifically about the LionHeart, a "heart heater" or left ventricle assist system for patients suffering from severe heart failure who are not eligible for a natural heart transplant. The device was developed by Penn State researchers in conjunction with Arrow International Inc. of Reading.

"Unfortunately, I can't show the device to you here today. They needed it back at the Hershey Medical Center," Spanier said.

Spanier drew laughter when he joked that after his hearing with the House of Representatives, he might need to be the first recipient of the new device. He announced that in the coming days, the first operation in this country to implant the LionHeart into a patient will take place at the medical center.

The Milton S. Hershey Medical Center is the only academic health center in Pennsylvania between Philadelphia and Pittsburgh; it is the only children's hospital in Central Pennsylvania; it is the sole level-one trauma center; and it has the only poison-control center in the region. These services would not be available to residents of a large part of the state without the expertise of physicians associated with the college. Spanier told the committees that the future of the college was in danger without

proper funding.

"Most of the nation's medical schools either have a substantial endowment or significant state appropriation support. Ours has neither," Spanier said.

Good stewards

The University remains committed to cost containment and continuous quality improvement; budget recycling to address changing priorities; and the critical assessment of strengths, needs and special opportunities. With the continued support of the Commonwealth, the University's efficiency, and its commitment to leadership, Penn State will be effectively positioned to support Pennsylvania's future. Spanier pointed out that the University is one of the most efficient universities in America and has reallocated nearly \$84 million and eliminated or merged 62 programs since 1992. The University's budget plan for 2001-02

Highlights of budget plan

Internal budget reductions: This will be the 10th consecutive year for internal budget reductions. Since 1992-93, the University has reallocated nearly \$84 million.

Salary adjustments and benefits costs increases: In recent years, salaries have slipped in comparison to peer institutions. The proposed increase will begin a multi-year effort to recover lost ground.

Special funding requests: Areas covered here include Information Sciences and Technology educational programs; the continued viability of the College of Medicine; and financial assistance for compliance with federal and state environmental regulations.

Libraries, computing and telecommunications: An increase in the information technology fee will help maintain library resources and to keep pace with rapidly expanding student computing and telecommunications needs.

Facilities: Funds will support maintenance and operation of new facilities, deferred maintenance and the capital improvement program.

Other operating cost increases: Areas covered here are student activities, academic initiatives and other program needs; and a tuition rate increase including a basic increase and additional amounts to support the capital improvement program and the salary increase initiative.

includes further budget reductions and reallocations to selected areas of critical need.

"We have one of the model long-range planning processes in higher education, assuring both efficiency and quality as we strive to serve the public better," he said.

The state's residents continue to see the University as a top choice. This past year, the University received more than 80,000 applications for admission, including more than 60,000 undergraduate applications. More than 20,000 students applied for limited spaces in graduate and professional programs, including about 6,000 students who applied for 110 spots in the medical school. The World Campus already has more than 3,000 enrollments.

Next step

Spanier pledged to the committees that "Every part of Penn State will work to promote Pennsylvania's progress and leadership and that the members of our academic community will be good stewards of the funding the University receives."

With the budget hearings ended earlier this week, discussions by legislators on the proposed fiscal plan will begin and are expected to continue throughout the spring. The state budget should be in place by July 1.

To see the University's Budget Presentation Plan, highlights of the plan and Spanier's opening remarks to the Senate and House, check the Web at <http://www.budget.psu.edu/BP2001/>

"We have one of the model long-range planning processes in higher education, assuring both efficiency and quality as we strive to serve the public better."

Graham B. Spanier

Students

Continued from page 1

director of Career Services. "I'm concerned that all the people who can take advantage be made aware of them."

At the Professional Etiquette Luncheon, MacGill fields a stream of questions from students that she says get down to the real nitty-gritty: What if you don't like something? How do you order? What do you do if you drop your fork?

"Mostly people don't know a lot of these little etiquette rules," she said. "It's a lot of fun."

The whole conference is aimed at giving students the tools they need to make good decisions, she said. With sessions like "Surviving in the Real World" and "Making Solid Career Decisions," MacGill said she wants participants to have the skills to feel comfortable calling company representatives and positioning themselves in the job market.

Programs for women engineers

The College of Engineering has a number of programs with similar goals. For instance, about 100 young women participate in WEPO, the Penn State's Women in Engineering Program, which holds a year-long orientation program. WEPO is designed to introduce women to engineering as a creative, rewarding profession oriented toward teamwork and helping people, according to Barbara Bogue, director of Penn State Women in Engineering Program. The process begins about three days before classes start for the fall semester. The women, all garbed in bright orange T-shirts, join in a scavenger hunt, play broomball, do teambuilding exercises at Shaver's Creek Environmental Center and join in a career development dinner with faculty and corporate representatives. Students are given a daylong design project that will prepare them for their coursework as well as teach them teamwork and presentation skills.

"Last year we did something based on 'Survivor,'" Bogue said. "We gave them a package of things and told them they had to get off the island."

The young women in WEPO also learn how to use the Penn State computer system and are introduced to the software they'll be using in their first engineering class.

"We know that women often come into engineering with less confidence in their computer skills — that's been borne out with research," Bogue said. "We're giving them ownership of the physical space."

The students stay together throughout the year, meeting once a month for mapping sessions that help keep the information flowing on issues like internships, studying abroad, majors that help with their career goals, time management, etc.

"The objective is to make Penn State a small place for these kids," Bogue said. Shannon Appleby is in the fourth year of her five-year architectural engineering program. She's been a lead mentor in WEPO for two years.

"It's really been an awesome experience," she said. "It's developed my leadership skills a lot over the past two years."



A mentor team for the Women in Engineering Program (WEPO) works on a design project. The young women, part of the yearlong orientation program at WEPO, are building a delivery system. This is one of the many activities and programs WEPO provides to acclimatize students to engineering.

It's also just really cool to talk to women coming in — to see them over the years to see how they've grown up."

Professional experience

Down the hall, a number of other programs are being carried out in Engineering, like the Cooperative Education program where juniors and seniors alternate semesters of classwork with work experience at various job sites.

"They're treated like a regular full-time employee, they get paid, at least half go out of state for work," said Anita Todd, director of the program, which attracts about 900 students annually.

"We get students out into industry where they develop interpersonal skills, maturity, self confidence," Todd said. "They get the business savvy in the work place."

On a more intimate scale, the college is home to a number of smaller workshops, many of them like the G.E. Leadership Conference. About 50 to 100 freshman and sophomores attend the daylong event where they discuss leadership skills, learn how to read the *Wall Street Journal* and do teambuilding exercises. The workshops draw a number of business and science majors as well.

"Companies are telling us leadership is important," Todd said.

Mike Boylan, a senior majoring in electrical engineering who will be graduating in May, has participated both in the Cooperative Education program and the leadership conference.

"The G.E. Leadership conference provided me with a great deal of insight to the soft skills that engineering managers should possess such as how to devise a 'win-win' situation for manager and employee issues," he said. "Learning these concepts early in my student career helped to cultivate the skills in the classroom and student organizations I participate in."

A related program sponsored by Lockheed Martin focuses on business ethics. Bob DeCarli, engineering process improvement program manager, brings a Dilbert-like board game to campus. About 20-30 students break up into teams to answer ethics-related questions and move around the board. The seminar draws business, engineering and IST students to focus on the issue.

Building a business bridge

Penn State Erie's School of Business is doing similar work with its students. Most recently, the school's faculty put together a weekend retreat, the Sophomore Business Bridge. It was designed to help sophomores set personal goals and learn about career paths. The event included roundtable sessions with business representatives who answered questions about their work, as well as young alumni from the School of Business who shared their interview and job search experiences and senior business students who advised sophomores on the best courses to take to achieve their personal and career goals.

University-wide mentoring

University-wide, the mentoring process offers one-on-one counseling for students. Lion Link, a professional networking program sponsored by the Penn State Alumni Association and the Office of Career Services, has been in operation for four years. Program coordinator Lisa Hatheway matches students with alumni career coaches based on the students' occupational and geographic preferences. The alumni career coach will offer information about job opportunities and advice on career planning and exploration. About 600 to 800 students register each year for a networking opportunity. Students can register online at <http://www.lionlink.psu.edu/>.

"They get a boost to their self esteem, talking to a professional who takes an interest them," Hatheway said. "The alumni like giving back something that's not monetary."

FastStart is a similar program for minority students that matches first-year students with both a faculty/staff mentor and an alumni mentor, according to Gina Giacomantonio, coordinator of student alumni programs.

"We want them to feel comfortable and connect to the University as soon as they arrive," she said.

The program draws about 100 students a year who participate in the events, like a Welcome to Penn State picnic, aimed at facilitating mentor-student interaction.

"It's a nice program," said Vuong Ly, a freshman who took part in some of the programs. "It's a very good experience. I met some people that way."



Lectures

Todd Blackledge to talk at Penn State Forum

Todd Blackledge, lead college football analyst for CBS Sports, will give a talk on "Becoming a Difference-Maker" on Thursday, March 15, in the Ballroom at The Nittany Lion Inn on the University Park campus.

Blackledge, a seven-year veteran of the National Football League, joined CBS Sports in 1999, after spending several years broadcasting for ABC Sports, ESPN and the Big East Television Network as both a game and studio analyst.

A 1983 graduate of Penn State, Blackledge was an academic All-American and earned Phi Beta Kappa status as a junior at Penn State. He was the starting quarterback for three seasons, guiding the Nittany Lions to a 31-5 record, including three New Year's



Todd Blackledge

Day bowl victories and a national championship in 1982. In the spring of 1997, he was elected to the Academic All-American Hall of Fame.

The Penn State Forum is a luncheon speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore. It is open to the public. Tickets are \$11 for non-members and \$9 for members, and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon. For information, call (814) 865-7590.

Fredman to open Leadership Conference

The annual Women's Leadership Conference will be held from 8 a.m. to 5 p.m. April 11 and repeated during the same times April 12 at The Penn State Conference Center Hotel on the University Park campus.

This one-day conference, titled "Perspectives," will offer a vast array of topics dealing with women's issues such as women's health, women at work, women in transition and women at home. Mimi U. Coppersmith-Fredman, president of the Barash Group, opens the annual event with a session titled "Eat First, Cry Later." Bertice Berry, scholar, comedienne and author, will put her humorous and



Mimi Coppersmith-Fredman

motivational spin on life's lessons during the closing session of the conference.

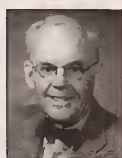
The event's networking luncheon weaves together the insights and interests of other women in the community followed by additional opportunities to listen and learn from other female leaders.

Brochures including a registration form will be distributed throughout the University and the community.

For more information, call the Human Resource Development Center at (814) 865-8216.

Pulitzer Prize-winner to give keynote address

Michael Gartner, a multi-media journalist who has won the Pulitzer Prize for editorial writing, will give the keynote address for the Spring 2001 Foster Conference of Distinguished Writers at 7 p.m. Tuesday, March 27, in Keller Auditorium on the University Park campus.



Michael Gartner

The spring conference, which runs March 27 and 28, also will feature Ann Gerhart, staff writer for the *Washington Post*, and Wil Haygood, staff writer for the *Boston Globe*. In addition to meeting with small groups of students in the College of Communications, Gerhart and Haygood will participate in a general convocation open to the public from 10:10 to 11:30 a.m. Wednesday, March 28, in the Foster Auditorium in Pattee Library.

A lifelong journalist, Gartner has served



Ann Gerhart



Wil Haygood

at various times during his career as president of NBC News, page one editor of *The Wall Street Journal*, editor and president of *The Des Moines Register*, editor of the *Louisville Courier-Journal*, and general news executive for Gannett Co. and USA Today. In 1997, he won the Pulitzer Prize for the editorials he wrote for *The Tribune* of Ames, Iowa, where he was then the editor and co-owner.

For information about the Foster Conference of Distinguished Writers, call Angie Brown at (814) 865-8801 or e-mail aab7@psu.edu.

'Graduate Melting Pot' to be explored at Kern

The second get-together in the Spring 2001 Conversations at Kern Series will be from 5:15 to 6:30 p.m. March 14 in 112 Kern Graduate Building, University Park.

The topic will be "International and Domestic Relations: Exploring the Advantages of Penn State's Graduate Melting Pot."

More than one-third of the University's graduate students and a higher percentage of the post-doctoral students are international. With the help of the audience, a group of panelists will explore international and domestic relations and the opportunities for enhanced learning and growth

provided by this mix of cultures. Panelists include James F. Lynch Jr., director of International Students and Scholars, Joann Dornich, program specialist for University Apartments; and Aitsuho Ennyu, president of the International Student Council.

The Conversations at Kern Series is intended for graduate students, post-doctoral students and faculty members. It serves to facilitate an informal exchange of information and ideas in order to enhance the quality of the Penn State graduate experience. Refreshments are available at 5 p.m. before each event and registration is not required.

Judge, trustee to speak at women's banquet

Cynthia A. Baldwin, the first black female judge elected to the Allegheny Court of Common Pleas, will be the featured speaker at the Commission for Women's 20th anniversary banquet Monday, March 19, at The Penn State Conference Center Hotel, University Park.

A reception will be held at 5 p.m., followed by dinner at 6 p.m. Winners of the Rosemary Schraer Mentor Award and Achieving Women awards will be honored at this



Cynthia A. Baldwin

event. The guest speaker is a gubernatorial appointee to the University's Board of Trustees and was recently elected its vice chair.

Tickets for the banquet are \$16 for students and \$25 for non-students. Departments can reserve tables of 10 for \$375. For tickets or additional information, call the Commission office at (814) 863-8493. The reservation deadline is March 5.

Teleconference focuses on planning, change

The Center for Quality and Planning and the School of Information Sciences and Technology are co-sponsoring a live teleconference, "Technology-Driven Planning: Principles to Practice in Higher Education," on March 15 at The Penn State Conference Center Hotel on the University Park campus.

The program will feature a panel discussion and video profiles of institutions that are planning for and addressing change. Judith V. Boettcher, executive director of the Corp. for Research and

Educational Networking is the moderator.

A follow-up discussion will begin immediately after the teleconference. Fred Loomis, director, IST Solutions Institute and associate professor of Information Sciences and Technology; and John Harwood, senior director, Center for Education Technology Services, will be facilitators.

To attend either of these events, R.S.V.P. by March 9 to the Center for Quality and Planning at (814) 863-8721 or via e-mail to psucpq@psu.edu. There is no fee to attend.

Conference examines multicultural education

The College of Education and the Pennsylvania Chapter of the National Association of Multicultural Education present the Third Annual Multicultural Education Conference from 8:30 a.m. to 4:30 p.m. Saturday, March 31, at The Penn State Conference Center Hotel on the University Park campus.

The conference is designed to give educators and the community an opportunity to discuss ways to achieve, understand and promote multicultural education and diversity.

The keynote speaker will be Don C. Locke, director of the Asheville Graduate Center at North Carolina State University

and director of the center's doctoral program in adult and community college education. Locke is the author of *Increasing Multicultural Understanding*.

For information about program content, call Andrew Jackson Sr., academic adviser/instructor of education, at (814) 865-1499 or e-mail axj119@psu.edu.

For registration information, call Chuck Herd at (814) 863-5100 or e-mail conference1@outreach.psu.edu. To register, call (800) PSU-TODAY (778-8632). For up-to-date information, visit <http://www.outreach.psu.edu/C&I/MulticulturalEducation/> on the Web.

Agromony topic set to be lambsquarters

Melissa Bravo, doctoral candidate in soil science in the Department of Agronomy, will speak on "A Survey of Triazine Resistant Common Lambsquarters on Pennsylvania Farms" from 3:35 to 4:25 p.m. March 2 in 101

Agricultural Sciences and Industries Building, University Park.

The Department of Agronomy is the host for the event and may be called at (814) 863-1601 for more information.

Achievements honored during Women's History Month

The following University locations have planned activities to celebrate Women's History Month throughout March and April.

Altoona

- March 1, 7 p.m.: Poetry reading by Alicia Ostriker, Edith Davis Eve Chapel.
- March 14, noon: Allied Motion Happening.
- March 15, 7:30 p.m.: Keynote address — "Speaking of Gender: Women and Abortion Discourse in German and U.S. Media," by Maria Marx Ferree, Adler Athletic Complex.
- March 24: Penn State Altoona Liaison to the Commission for Women bus trip to the National Museum of Women in the Arts in Washington, D.C., and dinner at the Marrakesh for Penn State Altoona female faculty and staff.
- March 29, 8 p.m.: Coffeehouse, Slep TV Lounge, featuring blues performer Angie Young and old-time and folk performer Jina Rosencrans.

Beaver

- March 5, noon: Penn State Beaver Commission for Women meet, Broadhead Bistro in the Study Learning Center

Berks

- March 14, 7:30 p.m.: "Echoes of the Past," the final lecture in the "Community of Learning" series, Perkins Student Center Theatre. Reading, Playwright and performing artist Maxine Maxwell will explore the lives of five African and African-American women.

Delaware County

- March 1, 11:30 a.m.: Poet Carolyn Wright, 103 Classroom Building.
- March 15, 11:30 a.m.: Sister Talk/Brother Dialogue with Stephanie Renee and Crew from Creator's Child Productions Inc., Student Lounge in the Main Building.
- March 20, 11:30 a.m.: Book Discussion Group, Christine Ziemba Book will facilitate Sister of My Heart by Chitra Banerjee Divakaruni at the Campus Bookstore.
- March 23, 1:30 p.m.: John Shelby Spang, retired Episcopal bishop who ordained the first woman and the first homosexual, will have a book signing at the Campus Bookstore.

- March 29, 11:30 a.m.: Commission for Women Luncheon with guest speaker Susan Bray, local talk show host, at the Large Conference Room, Athletic/Commons Building.

DuBois

- March 1, 7:30 p.m.: An evening of poetry and non-fiction reading, Lori Jakela, assistant professor of English and creative writing at the University of Pittsburgh-Greensburg, Hiller Building Auditorium.
- March 2, 7:30 p.m.: "Erin Brockovich," rated R, Hiller Building Auditorium.



A women's basketball team, circa 1902, is part of "A Celebration of Women's History at Penn State" on exhibit March 9 through April 27 in Pattee Library exhibition area on the University Park campus. The photos are a selection from the University Archives.

- March 4, 2 p.m.: "Erin Brockovich," rated R, Hiller Building Auditorium.

- March 14, 7 p.m.: Karen Savoca with Pete Heitzman will perform non-traditional folk music, Hiller Building Auditorium.

- March 16, 7:30 p.m.: The film "Angela's Ashes," rated R, Hiller Building Auditorium.

- March 18, 2 p.m.: The film "Angela's Ashes," rated R, Hiller Building Auditorium.

- March 22, 7 p.m.: The Barbara Martin Trio will present a program about American female blues artists from the 1920s-1950s featuring the music of Bessie Smith, Sippie Wallace and Billie Holiday, Hiller Building Auditorium.

- March 26, 7:30 p.m.: Writer Marjorie Makufwa will present selections of her fiction, Hiller Building Auditorium.

- March 28, noon: "Is Feminism Dead," a panel discussion by students in the Women's Studies 301 class, 128 Swift Building.

- The multi-part video series, "Women, A True Story," narrated by actress Susan Sarandon, will be presented throughout the month. Each video will be shown from noon to 1 p.m. in Hiller Building Auditorium. Titles and dates include: March 1 — "The Double Shift"; March 19 — "The Need to Know"; March 21 — "Body Politics"; March 26 — "Postcards from the Future"; and April 2 — "The Power Game."

Great Valley

- March 21, noon-1:30 p.m.: Great Valley's Commission for Women will hold a luncheon presentation to discuss "Women in Athletics" in Room 130. Admission is free to the public.

Lehigh Valley

- March 12, 9:45 to 11 a.m.: Joyce Dougherty, executive director of The Program for Women and Families Inc., will speak on the issue of domestic violence in 124-E Academic Building.

- March 14, 1 p.m.: "Echoes of the Past," the final lecture in the "Community of Learning" series, Lehigh Valley campus, Fogelsville. Playwright and performing artist Maxine Maxwell will explore the lives of five African and African-American women.

University Park

- March 2, 1 p.m.: "Instrumental Women: Pioneers in the Symphony" will be broadcast over WFSU-FM. The program follows the rise of female artists in classical music during the 20th century.

- March 9-April 27: "A Celebration of Women's History at Penn State," selections from University Archives, on display in the Pattee Library exhibit area.

- March 9-April 27: Commission for Women at Penn State exhibit on display in the Pattee Library lobby exhibit case.

- March 9-April 27: "Overlooked Visions of the Past Century," a display of books and images including underrepresented female artists, on display in the Candace and Patrick E. Malloy III Diversity Studies Room, 109 Pattee Library.

- March 12-16: Women's History Month display in a case behind the HUB Information Desk.

- March 20, noon: Video/discussion of "The Clothesline Project" in the Center for Women Students Resource Room, 120 Boucke Building. Survivors, friends, fami-

ly and partners decorate T-shirts with each shirt representing a particular woman's experience.

- March 28, 4 p.m.: Karen Hagemann, Department of History and Center for Interdisciplinary Studies on Women and Gender, Technical University of Berlin and Fellow of the Institute for Advanced Study, Princeton University, will present "Female Patriots: Gendering the History of Early German Nationalism," 102 Weaver Building.

- April 20, 4 p.m.: Shannon Sullivan, assistant professor of philosophy and women's studies and author of *Living Across and Through Skins: Transactional Bodies, Pragmatism and Feminism* (Indiana University Press, 2001), will participate in a panel discussion with Charlene Haddock Seigfried of Purdue University; Vincent Colapietro, professor of philosophy; and Amy Wendling, graduate student in philosophy, moderator, at 115 Keller Building.

Worthington Scranton

- March 1-30: Women's History Month Book and Journal Exhibit, featuring special posters and monographs about vocations and careers women have chosen in the 20th century.

- March 2, noon: Storyteller and poet Shindana Cooper will present a program about historic black women in the Study Learning Center.

York

- March 1-31: Bookstore Display, Information Sciences and Technology Center.

- March 1-31: Book display of famous female authors, in the Lee R. Glafelt Library.

- March 1-31: Book display and sale of books written by or about women in the Penn State York Bookstore.

- March 16, noon: "China Experience," presented by Meredith Rousseau, Brown Bag Lunch Series, Community Room, Joe and Rosie Ruhl Student Community Center.

- March 24, 7 p.m.: Women's Choir from St. Francis Xavier in Baltimore, in Community Room, Joe and Rosie Ruhl Student Community Center.

- March 27, noon: Women's Lunch, female professionals from the community will share experiences with students, Community Room, Joe and Rosie Ruhl Student Community Center.

- March 27, noon: "Women's Roundtable Conversations," campus Conference Center. Guest speakers include Bev Macke ereth, Teresa Diggs, Anna Breeland and other area women.

- March 30, noon: "Women and Islam," Brown Bag Lunch Series, 107 Information Sciences and Technology Center.

- Permanent display, 8 a.m. to 9 p.m. Mondays through Thursdays and 8 a.m. to 5 p.m. Fridays: "Black Women: Achievements Against the Odds" exhibit, outside the Conference Center Main Classroom Building.



Arts & Entertainment

Bach's Lunch

The Penn State Clarinet Choir will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, March 15, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The 14 members of the group are from the studio of Smith Toulson, professor of music and director of the ensemble. The group also will perform at the Music Nova concert April 25 in the Esber Recital Hall, Music Building 1, on the University Park campus.

After the free Bach's Lunch concert, audience members may take their bag lunches to the Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Aeros to perform

Aeros, a choreographed gymnastics troupe, will perform at 7:30 p.m. Wednesday, March 21, at the Eisenhower Auditorium on the University Park campus.

Aeros features gold medal-winning

gymnasts from the Romanian Gymnastics Federation, directed by Daniel Ezralow, David Parsons and Moses Pendleton in collaboration with "STOMP" creators Luke Cresswell and Steve McNicholas, and includes a live score.

Tickets are \$25 for general admission, \$20 for student/youth, \$10 for Penn State students and \$13 for youth 12 and under. Call the Arts Ticket Center at (800) ARTS-TIX.

Kern exhibits

Two new exhibits will be on display in the Kern Exhibition Area in Kern Commons on the University Park campus:

■ "Retreat," photography by Jason Fagone, through May 16. Fagone is pursuing a dual major in photography and journalism.

■ Commonwealth College Faculty Books, March 2 through April 30. The books in this exhibit represent examples from a variety of disciplines of scholarship published by the Commonwealth College faculty.

Teen, metal bands plan concerts

The Bryce Jordan Center has announced two concerts, both taking place in April.

98 Degrees

The band 98 Degrees, with special guests Baha Men, Dream and Debelah Morgan will be on stage at 7:30 p.m. Saturday, April 7, at The Bryce Jordan Center on the University Park campus. Tickets are \$32.50 and \$27.50 for reserved seating. 98 Degrees has sold millions of albums and earned a devoted fan base since they arrived on the music scene in 1997. Their latest single, "My Everything" debuted at No. 34 on Billboard's Top 100 Singles chart.

Opening for 98 Degrees are three acts that are currently receiving many hours of radio play and music video exposure. The Baha Men's "Who Let the Dogs Out" is an infectious anthem for every arena and stadium's cry for audience participation. Girl-group Dream has a top-20 hit, "He Loves U Not," and Debelah Morgan's "Dance With

BYRCE JORDAN CENTER

"Me" is a popular hit with a tango beat.

Alternative metal

Godsmack, with special guests Staind, Cold and Systematic will play at 7 p.m. Saturday, April 14, at The Bryce Jordan Center. Tickets are priced at \$27.50 for general admission floor and reserved seating.

Named after a song by Alice in Chains, the Boston-based alternative metal group Godsmack made its debut in 1997 with "All Wound Up." The band is currently working on a new album, due out this year.

Tickets for both events are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555, or on the Web at <http://www.bjc.psu.edu>.



A visitor carries an empty sap bucket at the Shaver's Creek Environmental Center. She is learning how to tap a tree.

Photo: Ann M. Taylor

March on over to annual maple festival

The 2001 Maple Harvest Festival at Shaver's Creek Environmental Center will be held from 11 a.m. to 4 p.m. Saturday and Sunday, March 17 and 18, on the center grounds.

The annual festival is geared to all ages and covers the entire process of making maple syrup, from tapping a tree to boiling down sap to make the syrup. Participants have the opportunity to engage in these tasks while learning about maple trees and the folklore associated with the maple sugaring process from costumed interpreters. Live folk music performances, animal shows and

natural history walks will supplement the maple harvest activities. In addition, participants can sample the fruits of their labor at the all-you-can-eat pancake breakfast.

The program costs \$4 for nonmembers ages 4 and over; members are admitted free. The pancake breakfast costs \$3 per person, for ages 4 and over. For more information, call (814) 863-2000 or (814) 667-3424; e-mail ShaversCreek@outreach.psu.edu; or visit the Shaver's Creek Web site at <http://www.outreach.psu.edu/ShaversCreek/>

COURSES

Springboard diving programs offered

Penn State Aquatics will offer two spring sessions for the springboard diving program.

The program is open for children ages 6 and up. The first session will run Tuesday and Thursday evenings from March 27-May 3.

The entry level group, "Learn To Dive,"

will be from 6:30-7:30 p.m.

The Junior Olympic group, for more experienced divers, will be from 6:30-8 p.m.

The second session will run from May 15-June 21, same evenings and times.

For information, call Jon Larson at (814) 863-3945.



University Park Calendar

March 2 - March 15

SPECIAL EVENTS

Friday, March 9

Home Show, The Bryce Jordan Center, through March 11. For more information, call (814) 231-8813.

Monday, March 12

"Iron — Using the Past to Shape the Future," video, 12:05 to 1 p.m., 105 Deike.

Wednesday, March 14

"Industrial Systems of Tomorrow — Finding Sustainability through Natural Cycles," video, 12:05 to 1 p.m., 105 Deike.

"An Artistic Friendship: Beauford Delaney and Lawrence Calagno," Gallery Talk, by Joyce Robinson, noon, Palmer Museum.

MUSIC

Thursday, March 15

The Penn State Clarinet Choir, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, March 2

Melissa Bravo on "A Survey of Triazine Resistant Common Lambsquarters on Pennsylvania Farms," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Thursday, March 8

Toshiki Enoki on "Unconventional Magnetism of Nano-graphite," 3:30 p.m., 339 Davey Laboratory.

Tuesday, March 13

Derick Moore on "Sex, Lies and Videotape: Stories from an Independent Video Producer Working on the U.S. Census Bureau's PR, Project," noon to 1 p.m., 406 Oswald Tower.

Marie Ruel on "Urban Nutrition Issues," 3:30 to 4:30 p.m., 108 Wartik Laboratory.

Karl Harris on "Linking the Department of Defense and Industry: The Electro-Optics Center," 4 p.m., 22 Deike.

Anna-Karin Svensson on "Directed Evolution," 4 p.m., S5 Osmond Laboratory.

Wednesday, March 14

Margie E. Lachman on "Portraits of Midlife," noon to 1 p.m., 108 Wartik Laboratory.

Dazhong Zhao on "Function of the Arabidopsis ASK1 Gene in Flower Development and Meiosis," 12:20 to 1:10 p.m., 105 Wartik Laboratory.

"International and Domestic Relations: Exploring the Advantages of Penn State's Graduate Melting Pot," Conversations at Kern Series, 5:15 to 6:30 p.m., 112 Kern.

Thursday, March 15

Todd Blackledge on "Becoming a Difference Maker," 11:30 a.m. to 1 p.m., The Nittany Lion Inn. For tickets, call (814) 865-7590. Andrea Young on "Math Phobia and Women," noon to 1 p.m., 120 Boucke.

John Moore on "The Many Facets of the Journal of Chemical Education," 12:15 p.m., S5 Osmond Laboratory.

David Gabriel on "The Reversal of Antagonists Facilitates the Peak Rate of Tension Development," 4:30 p.m., 12 Walker.

Jan Swafford, author of *Charles Ives, a Life with Music and Brahms, a Biography*, 8 p.m., Foster Auditorium, Pattee Library.

EXHIBITS

HUB-Robeson Center

"Natural Instincts," photography by Gino J. D'Angelo, through March 11.

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

"School of Visual Arts Graduate Exhibit," mixed media, March 13 through March 25.

Kern exhibit area

"Lego Sculptures," by Alpha O. Harrison, through April 4.

"Retreat," photography by Jason Fagone, through May 16.

Commonwealth College Faculty Books, through April 30.

Palmer Museum of Art

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Daguerreotype Portrait in America," through May 20.

"An Artistic Friendship: Beauford Delaney and Lawrence Calagno," through May 13.

Palermo Library

"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetter and Chris Gaines Memorial Library Collections," through May 15.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.oureach.psu.edu/conferences.html>.



Lawrence Calagno's "Portrait of Beauford Delaney" is part of the exhibit "An Artistic Friendship: Beauford Delaney and Lawrence Calagno," which examines the friendship between these two American artists of the 20th century. This display runs through May 13 in the Palmer Museum of Art on the University Park campus.

PENN STATERS

Marc Abrams, professor of forestry, was named a committee member for "State of the Nation's Ecosystems Forests" by The H. John Heinz Center for Science, Economics and the Environment. He also presented the invited keynote lecture "Dendroecological Applications in the Study of Forest Stand Dynamics" at the 2000 International Conference on Dendrochronology for the Third Millennium in Mendoza, Argentina.

John W. Bagby, professor of business law in The Smeal College of Business Administration, will be among a panel of experts discussing how to use new technological devices to improve the abilities of drivers to focus on safe driving. Bagby will present a paper, "Licensing Agreements and Telematics Liability" at an upcoming driver focus workshop in Scottsdale, Ariz.

The workshop, "Driver Focus and Attention: Improving Safety Through Technology" is sponsored by the Intelligent Transportation Society of America.

Augustin Banyaga, professor of mathematics in the Eberly College of Sciences, has been appointed as a member of the National Committee of Mathematics of the National Academy of Sciences.

Adam Downing, assistant extension agent in Warren County, received the national Bronze Award for Industrial Newsletter and Bronze Award for Short Publication from the Association of Natural Resource Extension Professionals.

Robert Elkin, professor and head of poultry science, presented the invited lecture "Effects of Statins on Reproductive and Lipid Metabolic Characteristics in Normolipidemic and Hereditary Hyperlipidemic Chickens" at the Second Department of Internal Medicine, Chiba University School of Medicine in Chiba, Japan.

Christine Gorbey, assistant professor of architecture, has been selected to participate in the Fulbright German Studies Seminar, "Urban Planning in Germany." Participants begin the seminar in Berlin, and then spend two weeks in Germany.

Bob Graves, professor of agricultural engineering, was inducted into the Rural Builder Hall of Fame. This award annually recognizes one builder, one construction material manufacturer/ supplier and one educator.

Answers given to commonly asked benefits questions

Last fall's annual Employee Benefits Web-based open enrollment period went well. More than 3,200 faculty and staff used the Web-based system to make changes last fall. That was approximately 87 percent of actions taken last fall during the open enrollment. Many took the opportunity to respond to the evaluation that was available at the end of the online process. Some of the comments received were phrased as questions. Since the survey responses were anonymous, the Employee Benefits Division was not able to respond directly. The following are responses to the most commonly asked questions.

Q. Why change to a Web-based system? I liked the paper-based system better.

A. The Employee Benefits Division, like other areas of the University, is committed to improving efficiency and streamlining operations by using the latest technology available. One very important point is that with the Web-based system, forms necessary to make changes can be accessed and completed online, thus avoiding those delays when forms must be mailed to and from our office. Additionally over the last few years, detailed benefits information has been available to faculty and staff through the Employee Benefits Division Web page. Faculty and staff, or those considering employment with Penn State, can access available benefits and their costs easily. They can search health plan directories for participating providers and review tax-deferred annuity information, including direct links to TDA providers. Faculty and staff can make their own benefit elections from any computer with Internet access.

Q. Why can't I add or delete dependents from my dental and/or vision coverage during open enrollment?

A. We currently are working on putting the dental and vision forms online. We hope to have those available by July 1. Therefore, they will be available online next fall during the annual enrollment period. However, the waiting periods will apply, as they do now.

Q. Will I be able to make changes to my tax-deferred annuity (TDA) on the Web site?

A. At this time Web-based enrollment in TDAs is not expected to be part of the process. Each of the TDA companies requires a hard copy of the TDA application and a "wet signature." We hope that these companies, in the future, will consider moving toward electronic processing of these forms.

Q. What about making my beneficiary changes on the Web in the future?

A. Like the TDA companies, our life insurance provider still requires a hard copy and a "wet signature" on the beneficiary forms. It should be noted that the life insurance company also will re-evaluate its position.

Q. "What about making my beneficiary changes on the Web in the future?"

A. Like the TDA companies, our life insurance provider still requires a hard copy and a "wet signature" on the beneficiary forms.

Q. All information for the open enrollment didn't fit on my screen. I had to keep scrolling left and right in order to read it.

A. Unfortunately, some of the smaller screens cannot accommodate all of the information provided.

Q. Why can't I get a paper copy of the provider directories?

A. In order to provide the most accurate information, most health plans have begun to rely on their Web-based directories to provide the most up-to-date information. In the past, health plans have only revised and updated their directories once a year. Consequently, these paper directories often were out of date quickly.

Q. Why don't my flexible spending account contributions continue from one year to the next, like my other benefits?

A. In accordance with IRS regulations, flexible spending account elections expire at the end of a calendar year and a new election form is required for the next calendar year.

Q. I wasn't able to access the open enrollment program on my computer but was able to get in when I tried a different one in my office. What's the problem?

A. It's possible that your computer was using older versions of software but there could be other issues as well. You may want to contact your computer support person to resolve the problem.

Q. I had some interruptions as I was using the open enrollment program and I had to reload in order to finish. Is this necessary?

A. This is a security precaution for those who may leave their computer while still logged on to the enrollment program. The most important consideration in establishing Web-based enrollment programs is security and confidentiality of information. When there is no activity on the screen for 10 minutes, the program is designed to lock you out. This protects you if you walk away while still logged into the program and prevents anyone else from making changes to your benefits or viewing personal information in your absence.

For more information regarding benefits issues, call the Employee Benefits Division at (814) 865-1473 or e-mail bene@psu.edu.

American Indian powwow planned

The American Indian Leadership Program, one of the most prestigious graduate programs for American Indian education students in the United States, is sponsoring the University's first-ever Traditional American Indian powwow celebration.

This powwow will be the final event in an American Indian Leadership conference at the University to recognize 30 years of American Indian Leadership. Titled "A Tradition of Leadership," the powwow will be held from 6 to 10 p.m. Saturday, March 31, at The Penn State Conference Center Hotel on the University Park campus.

A traditional American Indian powwow is a celebration of American Indian dance and culture. Admission is free to the public.

Several American Indian dance troupes such as the Allegheny River Dancers from the Iroquois Nation and American Indian dancers representing Ojibway and Lakota styles from the Ohio River Valley will attend and perform several specialty dances.

The Many Voice Singers, a nationally renowned American Indian drum group, will provide the music and traditional American Indian songs. Ray Roach, the drum carrier, is from the Cheyenne River Sioux nation in South Dakota and says the group will bring traditional songs from the Lakota, Ojibway and from the plains nations.

Bill Crouse of the Iroquois nation, Salamanca, N.Y., will be the master of ceremonies for the powwow. He will introduce the public to the traditions of the dancers and keep the audience informed about what is going on in the dance arena with the various styles of American Indian dances.

For more information, call John Tippeconnic, director of the American Indian Leadership Program, at (814) 863-1626.



Rebekah Voris of Mahaffey, left, **Jeri Beth Robinson** of Bellefonte, center, and **Kella Alterio** of State College, right, weighed out calcium powder during last year's observance of Take Our Daughters to Work Day in the Mather Research Building on the University Park campus. This year the observance is April 26.

Photo: Greg Grieco

Date approaching for annual Take Our Daughters to Work Day

The University's sixth annual Take Our Daughters to Work Day, coordinated by the Commission for Women, will be held on Thursday, April 26.

This year, about 40 career sites are participating on the University Park campus to give girls in grades six through 12 a chance to explore career options. Participants can select three sites to visit during the half-day program.

The day will begin with breakfast and registration in the South Annex of The Bryce Jordan Center, with welcoming remarks by Christie Welsh, sophomore student and forward on the Lady Lion soccer team. The girls and their mentors then visit their chosen career sites and return to the Jordan Center for a luncheon featuring

Patricia Best, superintendent of schools in the State College Area School District. Best will talk about "The Power of the Dream."

The cost for the day is \$15 per girl; there is no charge for the mentor. Watch for brochures, complete with registration forms, later this month. Registration forms also will be available on the Web; the address will be published shortly.

For those who cannot participate in this event, the Commission for Women still encourages mentors to bring their daughters or proteges to work with them for the day.

For more information, call Carol Griffin at (814) 863-6188 or visit the Web at <http://www.outreach.psu.edu/C&L/DaughtersToWork2001/>.



News in Brief

Call Center temporary hours

The Penn State Call Center Services Office will be operating on limited hours beginning Saturday, March 3, and ending Saturday, March 10.

During this time, the office hours will be 7 a.m. to 7 p.m. Monday through Friday and 8 a.m. to 7 p.m. on the weekends.

The Call Handling and Message Phone Service is available for departments wanting telephone coverage during spring break or at any other time. Call the Audio Reservation Center at (814) 863-3410 for information, or visit the Web at <http://www.otc.psu.edu/services/callcenter.asp> under "Message Service."

Exam schedule

The spring semester final examination schedule will be available on Monday, March 12, via the Registrar's Office home page at <http://www.psu.edu/dept/registrar/>. Students may file for direct or overload conflict exams from Monday, March 12, through Friday, March 30. No exam conflict requests will be accepted after March 30.

Parking permit information

The Parking Office at University Park has a few parking reminders:

Students not taking classes: From May 5 through Aug. 20, University students who are not taking summer classes or credits are eligible for open faculty/staff parking privileges. The parking permits to be issued this year are cardboard disposable permits available from the Parking Office. The permit is paid upon receipt at a rate

of \$19 for June, and \$20 for July and August, or \$10 per week.

Students also may register vehicles in the Parking Office if they choose to purchase a student parking permit. With student parking permits, students may park in their specified parking lots depending on their residence.

Return of parking permits: The end of spring semester and June 30 are times when some faculty and staff terminate their employment or retire from the University. These employees should return their parking permits before their termination date.

Faculty or staff taking a summer leave of absence also may wish to return parking permits in order not to incur parking charges in their absence. Payment is required for the possession of the permit regardless of usage.

Parking for interns: Each spring some colleges and departments take on high school or South Hills School of Business and Technology interns or practicum students. Colleges or departments may pay for temporary parking permits for these interns in open staff parking areas. If a college or department chooses to pay for the permit, a copy of the IDCC in the amount of \$19 for June, and \$20 for July and August, should be sent with the intern to the Parking Office.

Staff Advisory Committee

The Staff Advisory Committee is seeking nominations, including self-nominations, from staff of the University at all locations.

The committee serves as an advisory group to the University Central Administration and is staffed by Billie S. Willits,

assistant vice president for Human Resources. Membership includes exempt and non-exempt staff from throughout the University system. Members are appointed to three-year terms.

The Staff Advisory Committee values diversity in the membership and is actively seeking a broad base of nominations.

Nomination forms or additional information may be obtained from Carol Griffin at (814) 863-6188 or cjg@psu.edu, or the Staff Advisory Committee home page at <http://www.ohr.psu.edu/PAGES/STFFOCUS.htm>. Nomination deadline is April 1.

Support network available

A Lesbian Gay Bisexual and Transgender Support Network is available to provide a more hospitable environment for people who are lesbian, gay, bisexual or transgender.

Sponsored by the Commission on Lesbian, Gay, Bisexual and Transgender Equity and the Equal Opportunity Planning Committee, the group is a network of individuals who can provide support, information and a safe haven within the University community.

Network members include faculty, staff, administrators and students at University Park and Commonwealth campuses who are respectful of confidentiality. Anyone who would like to participate in the network should contact the commission in the Office of the Vice Provost for Educational Equity, 281 Grange Building, University Park, Pa. 16802; or call (814) 863-7696. Applications also can be submitted online at <http://www.lions.psu.edu/lgbt/network/>.

Following approval of the application, the network will provide resource information as well as a sticker, button or sign for its members to identify themselves.

Tax forms available

Pennsylvania and federal tax forms are available to the public on the Social Sciences Library's Web site at <http://www.libraries.psu.edu/crsweb/docs/taxes2000/taxforms.htm>.

The tax forms can be downloaded more quickly from this site than from the Internal Revenue Service's Web site, which becomes increasingly difficult to access as tax season progresses.

The Web page also contains links to the IRS's Web site, the Pennsylvania Department of Revenue's Web site and other states' tax information sites. For information, call the Social Sciences Library at (814) 865-4861.

Online diversity newsletter

The Penn State Association of Journalists for Diversity (PSAJD) has launched an online version of its diversity newsletter, *Cultural Expressions*.

The group, which is the student chapter of the National Association of Black Journalists, created the newsletter to give College of Communications students an opportunity to cover diversity events and issues on campus.

PSAJD is starting a Student of the Month program via its online site. Faculty and staff are encouraged to nominate students.

To check out the site and for information, visit <http://www.clubs.psu.edu/PSAJD> or e-mail Jennifer Hernández at jh315@psu.edu.

Technical Services Workshop

"Making Choices, Setting Priorities ... Women in Control" was the theme for the annual Commission for Women Technical Services Workshop held at The Penn Stater Conference Center Hotel. Janis Jacobs, vice president for administration, was the keynote speaker.

Photo: Greg Grieco



Private Giving



THE PENN STATE CAMPAIGN

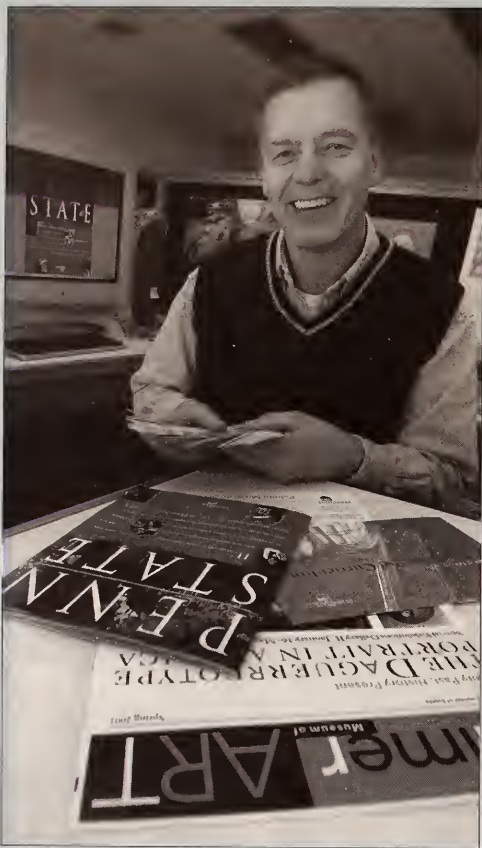
"I've designed many University publications while listening to WPSU's music programming — especially their classical music program, which is broadcast during our regular working hours. WPSU has actually enhanced the creative work environment here in Publications' design room. Over the years, it became evident to me that the time for me to give back to the radio station was long overdue. So I took advantage of payroll deduction, and I've been making monthly contributions to WPSU. And although this may sound hard to believe, I really get a kick out of annually raising my contribution as my ability to give increases. Giving to Penn State's radio station just makes listening to it all the more enjoyable."

— Larry Krezo,
graphic designer

Department of University Publications.

For information on the campaign, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/facultystaff.asp>

Leading the Way The Faculty and Staff Campaign 2001



Gift of \$1 million to benefit College of Earth and Mineral Sciences

Cathleen McFarlane-Ross, longtime friend of Penn State, has pledged \$1 million that will establish two endowments to benefit students and faculty of the Materials Science and Engineering Department in the University's College of Earth and Mineral Sciences.

McFarlane-Ross's gift honors her late husband, industrialist and alumnus Norris "Mac" McFarlane. He graduated from Penn State in 1934 with a bachelor's degree in metallurgy. After holding executive positions with Pittsburgh Metallurgical Co. and Airo Inc., he served as president and owner of Macalloy Corp. in Charleston, S.C., the single-largest ferrochrome producer in the United States.

A member of the American Iron and Steel Institute, McFarlane received many awards during his life, including the David Ford McFarland Award for Achievement in Metallurgy from Penn State in 1990.

McFarlane-Ross resides in West Palm Beach, Fla. The two new endowments she has created are:

- The Norris B. McFarlane Faculty Career Development Professorship in Materials Science and Engineering, which will provide critical financial support and encouragement to junior faculty members beginning their careers. The fund will allow young faculty members to direct initial energies to the classroom, will provide start-up funds for new areas of research and teaching laboratories and will offer early recognition for outstanding accomplishments.

- The Norris B. McFarlane Scholarship Fund, which will provide financial support to deserving undergraduate and graduate students pursuing degrees in materials science and engineering.

The gift is part of the Grand Destiny campaign, a seven-year effort to raise \$1 billion in private support to strengthen the University's mission of teaching, research and service. The campaign involves all 24 University locations and is scheduled to end June 30, 2003.

Mechanical engineering professorship established by alumni

Penn State alumni William P. and Marilyn Guillet Out of Ballston Spa, N.Y., have established the George L. Guillet Professorship in Mechanical Engineering.

The professorship honors former Penn State faculty member George Guillet, professor of mechanical engineering from 1924 to 1944. Guillet's daughter, Marilyn Guillet Out,

says creating the professorship is an excellent way to both honor her father's memory and thank the University. Guillet, 56, died in 1944.

Guillet graduated in 1908 from McGill University in Montreal with a bachelor of science degree in mechanical engineering with high honors and received the British Association Medal for excellence in engineering. He

earned his master's degree the following year. He began his career teaching at his alma mater and at Queens University in Ottawa.

Guillet joined the Penn State faculty in 1924, teaching courses in the design of engines and kinematics.

He published a text titled *Kinematics of Machines*, and the book's Spanish edition

earns royalties to this day. He also co-authored a second text, *Kinematics and Machine Design*.

The University invests endowed gifts and uses part of the income to support the program designated by the donor. Remaining income is returned to the principal, to further its growth and protect it from inflation. Professorships require a minimum of \$500,000.



Focus on Research

Waterlilies one of first flowers

By BARBARA K. KENNEDY
Eberly College of Science

University researchers have performed the most extensive study yet in an attempt to learn what the first flowering plants may have looked like. The genetic analysis was designed to find the first flower's closest living next of kin among 150 species whose genetic origins are thought to be the most ancient. The analysis revealed that the title of "oldest living flower" is shared by two very different-looking plants — water lilies and a rare woody shrub named *Amborella*.

A flurry of recent analyses of flowering-plant genes by other research teams had led scientists to believe that *Amborella*, which grows wild only on the remote island of New Caledonia in the southwest Pacific Ocean, was the winner of the title "oldest flowering plant," with water lilies coming in second. But because the University team's results show both plants share first place, more options are now open for what the first flowering plant could have looked like.

The study was led by Claude W. dePamphilis, associate professor of biology. Among the potential benefits of it are clues for the more efficient discovery of natural drugs, a precise framework for directing and evaluating the bioengineering of plants used for agriculture and medicine, and the ability to make more informed decisions about biodiversity conservation.

According to dePamphilis, "Our estimate that both water lilies and *Amborella* are equally close to the root of the angiosperm family tree is an alternative hypothesis that needs to be entertained as seriously as the earlier studies." The researchers feel that the analysis methods they developed for the study not only give its conclusions substantial weight but also could serve as a model for further studies by other researchers.



Waterlilies are among the oldest flowering plants in the world, according to a new study by University biologists.

Photo: Gerald Laing

They analyzed an extensive variety of leaves and flowers from plants they had been collecting from around the world for over a decade. "It has taken us 10 years to collect tissues from over 1,000 plant species, including those whose genetic origins are thought to be the most ancient — plants growing as far away as Borneo and as close as right next to the lab," dePamphilis said. "We intentionally sampled these most basal lineages very densely to get the clearest possible pic-

ture of the tremendous diversity at the base of the angiosperm tree."

In addition to dePamphilis, the research team included: Todd J. Barkman, assistant professor at Western Michigan University; James Lyons-Weller, assistant professor at the University of Massachusetts at Lowell; Gordon Chenery, a high-school teacher in Nashville, Tenn., who earned a master's degree in biology under the direction of dePamphilis; and Joel R. McNeal, a graduate student.

Human Genome Project had help from IST professor

A large-scale database indexing method co-developed by a faculty member in the University's School of Information Sciences and Technology is speeding up the mapping of the human genetic code.

The algorithm, created by James Wang, holder of the FNC career development professorship, and his collaborators, made it possible to accelerate the search for patterns among the staggering mass of information that makes up the human genetic code, as well as the genetic codes of other living creatures. Called a Sequence Search Tree, or SST, the algorithm is believed to have quickened the pattern recognition pace 20-fold. The method does entail a slight loss in accuracy, but it significantly speeds up the mapping of genetic patterns. The breakthrough was made possible by the way the SST algorithm indexes genetic information.



James Wang

Initially developed in 1999, SST has been used by an industrial partner of the National Human Genome Institute, a consortium studying man's genetic makeup.

The results of the institute's project, as well as one being conducted by Celera Genomics, are expected to revolutionize the understanding and treatment of disease. Scientists recently published early draft descriptions of the human genome.

The work on the algorithm was performed while Wang was a graduate student at Stanford University. Wang and his team have applied for a patent for SST.

Media crusades against satanists may hinder more than help

By PAUL BLAUM
Public Information

When confronted by satanism scares, both secular and religious leaders should avoid the temptation to persecute those suspected of occult activity. While evil certainly exists and a few individuals have suffered as a result of satanic rites, institutional crusades against real or imagined satanists have the capacity for infinitely greater evil, according to a University folklorist.

"Satanism scares are both the cause and effect of various tinkering with the occult, real or imagined," said Bill Ellis, associate professor of English and American studies at Penn State Hazleton, and longtime

researcher of contemporary urban legends. "In either case, they can actually serve a social need for individuals or groups, who are seeking proof that they have control over supposedly demonic forces and that the universe, while frightening, is essentially ordered and meaningful. Satanism scares belong to the realm of folklore and are generally harmless unless they are taken too seriously by governments, churches, the media or any



Bill Ellis

other official moral censor."

"Satanic rumor panics, such as the cattle mutilation scare of the 1970s, were secular revivals, helping participants believe that their faith in themselves and their mythologies is justified," Ellis said.

When evil co-opts the ideals and institutions of religion, the consequences are much more harmful than when persons carry out self-consciously evil acts. This is the lesson of the 1692 Salem witch trials and many others which over the centuries have claimed thousands of innocent lives while punishing a handful of malevolent cranks.

Ellis' research is published in the recent book, *Raising the Devil: Satanism, New Religions and the Media* (University of Kentucky

Press). The book deals with a variety of satanic practices ranging from *Diabolus* boards to graveyard desecration to "ouija board medicine," described by Ellis as "the psychiatric community's version of exorcism."

"Not everyone who reports or investigates cult activity is hysterical or deluded," Ellis noted. "In fact, for such people satanic cult beliefs may well be cultural language that allows them to express emotions and experiences that they might otherwise not be able to handle. Ironically, when societies lack traditions of belief that describe such events, persons there may often experience greater psychological trauma because they fear that describing their experiences will label them as deviant."



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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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Editor's note: The following graphic was printed incorrectly in last week's *Intercom* due to an error by the commercial printer. The correct version of the graphic appears below.

PENNSTATE



Statistical Snapshot 1995-2000

	2000	1994*	Percent change
Applications	80,577 (2000)	68,075	18.4
Enrollment	81,270	73,500	10.6
Minority Enrollment	8,576	6,257	37.1
African-American Enrollment	3,459	2,451	41.1
International Student Enrollment	3,603	2,280	58.0
Endowment	\$1.003 billion	\$312.3 million	221.2
Annual Fund Raising	\$170.9 million	\$82.5 million	107.2
Number of Donors	116,053	100,284	15.7
Alumni Association Members	144,222	122,619	17.6
Annual Budget	\$2.15 billion	\$1.51 billion	42.4
State Appropriation	\$331.9 million	\$269.1 million	23.3
Research Expenditures	\$440.3 million (1999-2000)	\$344.3 million	27.9
Industry-Sponsored Research	\$70.6 million (1999-2000)	\$52.4 million	34.7
Patent/Licensing Revenue	\$3,044,022	\$248,979	1122.6
Invention Disclosures	204	102	100.0
Deployment of New Technology			
— Access Accounts	101,000	69,000 (1995)	46.4
— E-Mail (Number Daily)	2,100,000	300,000 (1995)	600.0
— Personal Web Accounts	37,000	300 (1995)	12,233.0

In the past five years, Penn State has accomplished the following:

- Reorganization and expansion of the Commonwealth campuses.
- A merger of The Dickinson School of Law with Penn State.
- Establishment of the Schreyer Honors College.
- Creation and launch of the Penn State World Campus, which already includes 155 courses and more than 3,000 students.
- Creation of the School of Information Sciences and Technology, which already has more than 2,000 students.
- Reorganization and expansion of the Division of Outreach and Cooperative Extension.
- Significantly expanded deployment of new information technologies.

*1994 is the baseline used for this analysis.



Intercom

INFORMING THE PENN STATE COMMUNITY

MARCH 15, 2001

Faculty become the students in new technology assistance program

By TONY CORAY
Computer and Information Systems

Faculty members who want to expand their use of technology in the classroom or simply learn new computer skills can now draw on the expertise of some of the very same students they teach, thanks to a new program being launched this spring.

The Technology Learning Assistance Program (TLAP), sponsored by the Schreyer Honors College, the Center for Education Technology Services and the School of Information Sciences and Technology, pairs faculty interested in acquiring technology skills that will enhance their teaching with qualified student tutors who can help them meet their goal. The TLAP can help faculty learn to manage

students' grades electronically with Excel, use online discussion tools like CourseTalk or even develop an entire Web site for a course.

"It's a terrific opportunity for faculty who are ready to advance themselves technologically but may feel overwhelmed by the process," said Carol Dwyer, TLAP program coordinator. "Probably 40 percent of our faculty already are hooked on

technology and comfortable using it in the classroom. The TLAP is here to serve the other 60 percent."

Currently the program is only available at University Park, but Dwyer hopes to expand it to include other campus locations in the near future. And while priority is given to instructors who teach honors

Program, page 3

LionHeart implanted in first U.S. patient

By ANDREA MESSER
Public Information

The Milton S. Hershey Medical Center once again made medical history when surgeons there were the first in the U.S. to implant the Arrow LionHeart left ventricular assist system (LVAS) into a 64-year old male patient on Feb. 28.

The surgery, conducted by Dr. Walter Pae Jr., professor of surgery in the College of Medicine, and a surgical team, lasted five hours. As was expected, the patient remains in critical condition but is stable and resting comfortably.

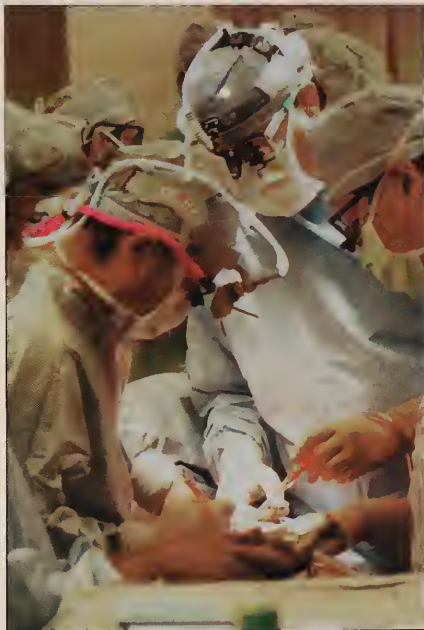
The Arrow LionHeart received approval from the U.S. Food and Drug Administration for clinical testing in the United States on Feb. 9.

For a timeline of events leading up to this at The Hershey Medical Center, please see page 2.

The first heart-assist device powered by wireless electric transmission to reach clinical trial, the LVAS is the result of a seven-year collaboration among researchers affiliated with Penn State's Artificial Organs program and Arrow International Inc. of Reading. The clinical trials are sponsored by Arrow.

The Arrow LionHeart is not an artificial heart. It is a "heart helper" or left ventricle assist system for patients suffering from severe heart failure who are not eligible for a natural heart transplant. The patient's natural failing heart is left in place and the assist device is connected to it to boost circulation. Once the system is implanted in a patient, no wires, tubes or other connections protrude through the skin. The device is intended as final therapy for patients with end-stage heart failure. According to Pae, such patients have an extremely poor quality of life and a low probability of surviving six months.

"Through implantation of the Arrow LionHeart system, we hope to lengthen the lives of these patients and permit a desirable quality of life," said Pae.



Dr. Walter E. Pae Jr., left, Dr. Sanjay Mehta and Dr. Benjamin Sun implanted first Arrow LionHeart device in the United States on Feb. 28 at The Hershey Medical Center.

Faculty Senate holds discussion on courseware issues

By TYSSEN KENDIG
Public Information

As educational technology continues to evolve into a critical component of the classroom curriculum, the debate over ownership of teaching software — or courseware — has opened on college campuses nationwide. With a rapidly expanding World Campus and a tech-savvy student body in excess of 81,000, Penn State is at the forefront of the multifaceted discussion.

A Faculty Senate report has examined these complex issues involved with copyright and usage of electronic courseware. The Courseware Policy Subcommittee presented its findings to the full Senate on Feb. 27, detailing recommendations designed to provide incentives for faculty and staff to take advantage of the pedagogical benefits of educational software while protecting the interests of the University and controlling costs to its students.

"For a large institution like Penn State, with multiple campuses statewide, there is a greater vulnerability to corporations and online institutions like the University of Phoenix coming in and stealing away the educational interests of Penn State," said Thomas Jackson, chair of the subcommittee. "We need a policy to combat that."

The heart of the issue was determining ownership rights to courseware based on whether it was software commissioned and subsidized by the University or created as the sole initiative of a faculty member. Courseware refers to

Courseware, page 3

Heart

Continued from page 1

About 4 million patients in the U.S. are victims of heart failure and nearly 400,000 new cases are diagnosed each year. Of those patients, only about 2,800 receive heart transplants.

"Our patient meets all the criteria for this groundbreaking surgery," said Dr. John Boehmer, the patient's cardiologist and an assistant professor of medicine. "In addition to meeting the medical criteria, a patient must have a positive attitude, a solid support system and be motivated to follow medication and therapy regimens following surgery. The patient also must understand the operation of the battery pack and take care to keep the apparatus charged. Although all Arrow LionHeart candidates are extremely ill, patients selected for surgery must be strong enough to tolerate the operation."

The system has been in clinical trials in Europe for the past 19 months. Pae led the surgical team that performed the first implant of the LVAS at the German Heart Center in Bad Oeynhausen, Germany, on a 67-year-old male. That patient is home and doing well. The LionHeart has been implanted into 10 European patients before this first U.S. use.

The LVAS is based on an approach originated by Dr. William S. Pierce, retired founder of the Penn State artificial organs program, coupled with the latest in electronics and biomaterials technology. Penn State members of the design team include Dr. Gerson Rosenberg, professor of bioengineering; Dr. Alan Snyder, assistant professor of surgery; and Dr. W. J. Weiss, assistant professor of surgery, as well as materials, energy and fluid flow researchers at the University Park campus.

Pierce and Rosenberg were members of the team that designed the first Penn State Heart-Assist Pump, a pneumatic device, that began development in the 1970s. The U.S. Food and Drug Administration approved use of this device in 1980 and it was in widespread use by 1984. This device is no longer approved for clinical use. The Penn State Heart-Assist Pump was designated an International Historic Mechanical Engineering Landmark by the American Society of Mechanical Engineers in 1990.

With minor modifications, two heart-assist pumps served as a total artificial heart in three patients at The Hershey Medical Center. The first was used on Oct. 18, 1985. The artificial organs program continued with a switch to an electromechanical device and eventually development of a fully-implantable left ventricular assist system.

The Arrow LionHeart marks a significant advancement in mechanical circulatory support technology because the system is totally implanted. The device has both internal rechargeable batteries, which remain in the body and an external battery pack fitted with a unique power delivery coupling. The external source, two battery packs worn on a belt, powers the

Significant events in heart-assist device development at Hershey

Here are some of the significant events in the development of heart assist devices and the artificial heart at The Milton S. Hershey Medical Center:

1985: The Penn State Heart, an air-driven, total artificial heart, is first implanted in a patient.

1986: The Penn State Heart is implanted in its second patient, who remains on the device for 13 months.

1988: The National Institutes of Health awards The Milton S. Hershey Medical Center a \$5.7 million contract for research to develop an electrical, artificial heart.

1991: Holly the calf shatters the record for the longest living calf on any artificial heart. She survives for one year and 23 days.

1993: The Hershey Medical Center is one of only three institutions awarded a three-year, \$5.4 million contract from the National Heart, Lung and Blood Institute to continue work in developing a permanently implantable electric heart.

1996: The Hershey Medical Center receives a \$7.7 million federal contract awarded for research of the electro-mechanical heart.

1998: The Whitaker Foundation awards a grant of nearly \$1 million to the Biomedical Engineering Institute at The Hershey Medical Center. The institute's purpose is to add a new educational component to the bioengineering program at Penn State.

1998: A newly FDA-approved heart assist device, the Vented Electric Left Ventricular Assist Device, is implanted for the first time in the country in a patient at The Hershey Medical Center. The device allows seriously ill heart patients to survive and wait at home for a heart transplant. The surgical team is led by Dr. Benjamin Sun, assistant professor of surgery in the College of Medicine and assistant director of heart transplantation at The Hershey Medical Center.

1999: As part of a multi-center clinical trial, a patient on a left ventricular assist device (LVAD) is placed on a portable driver-control unit that will power the LVAD. This is the first clinical use of the device in the United States. The device greatly improves the patient's mobility allowing her to leave the hospital while awaiting a heart transplant, according to Dr. Walter E. Pae Jr., professor of surgery in the College of Medicine and director of cardiac transplantation at The Hershey Medical Center.

Oct. 26, 1999: The first human implant of the LionHeart left ventricular assist system occurred at the German Heart Center in Bad Oeynhausen, Germany. This patient is living at home with the device continuing to function as expected

motor via a transformer coil worn on the outside of the chest. When the external transformer coil is positioned over an internal transformer coil connected to the motor, it induces a current. The internal and external coils coupled wirelessly through the chest wall maintain the pump's operation. Should the patient want to be un tethered from the external battery packs, for example, to take a shower, the internal batteries can supply power needs for a minimum of 20 minutes at a time. In

addition, the wireless operation significantly lowers the potential for infection.

Pumping in the heart assist device is achieved when a metal plate presses on a plastic blood sac, forcing the blood out of the sac. In the Arrow LionHeart, the metal plate is driven by a new miniature electric motor and controller that responds to a patient's changing needs during exercise and resting, for example.

Other members of the surgical team included Dr. Benjamin Sun, assistant pro-



Dr. Walter E. Pae Jr., professor of surgery, led the team of physicians who implanted the LionHeart in the first U.S. patient. Pae also led the surgical team that performed the first implant of the LionHeart at the German Heart Center in Bad Oeynhausen, Germany, Oct. 26, 1999.

ed. To date, 10 patients have been implanted with the Arrow LionHeart system as part of the ongoing European clinical investigation. Subsequent to implantation, all of the systems have operated as expected. The clinical sites for this European clinical investigation are the German Heart Center, Bad Oeynhausen, Germany; Hospital La Pitie, Paris, France; the University of Vienna Medical Center, Vienna, Austria; and the Berlin Heart Institute, Berlin, Germany.

Feb. 28, 2001: Physicians implant a new heart-assist system for the first time in the United States in a patient with end-stage heart failure who was not a candidate for transplantation. The new system is totally implantable and permanent — not a bridge to transplantation or temporary heart helper. The lead investigator is Dr. Walter E. Pae Jr., professor of surgery. The device is called the Arrow LionHeart and was developed in the College of Medicine in conjunction with Arrow International Inc. of Reading.

essor of surgery and director of cardiac transplantation; Dr. Stephen R. Longo, associate professor or anesthesiology and director of cardiothoracic anesthesia; Dr. Sanjay M. Mehta, assistant professor of surgery; Dr. Jennifer S. Lawton, chief resident in cardiothoracic surgery, and Dawn Christensen, M.S.N., ventricular assist device and cardiac transplant coordinator.

For more information, check the Web at <http://www.hmc.psu.edu/lionheart/> or <http://www.psu.edu/wr/heartdevices/>.

Program

Continued from page 1

courses, any full-time faculty at the University Park campus can apply for a technology learning assistant by completing an application that assesses their current level of computer proficiency and identifies projects and skills they would like to develop. The form is online at <http://cac.psu.edu/ta/facapp.html>, and the deadline to apply for fall 2001 is March 30.

The program, which has been in a pilot phase for two semesters, already has received enthusiastic reviews.

"I was inspired by some of the sample Web sites my technology learning assistant showed me and thrilled when I realized creating a similar one was within my grasp," said John Moore, associate professor of English and comparative literature. Moore's assistant, Donna Lau helped him develop his own Web site and made the potentially stressful experience a rewarding one in the process.

"Donna was enormously helpful," Moore said, likening their relationship to one of a supportive teacher and an awkward schoolboy. "I needed and received lots of patient attention, and an explanation of details that were probably self-evident to her but were revelations to me."

Students who work as technology learning assistants also learn a great deal. Because they are responsible for outlining and implementing a timeline for the project, they acquire strong communication, problem-solving and project management skills. And in exchange for the 45 to 50 hours they spend tutoring faculty over the course of the semester they earn one IST credit they can use as an elective. They even may choose to be paid a wage if they repeat the program for a second semester.

But perhaps the greatest benefit stu-



Carol Dwyer, Technology Learning Assistance Program coordinator, describes how student tutor Donna Lau can use the online tool CourseWeb to help her faculty mentor develop a Web site for his class.

Photo: Dave Strong

dents receive is the opportunity to develop a one-on-one relationship with a faculty mentor.

"Dr. Strohm taught me as much about communications and advertising as I taught her about computers," said Kamal Aboul-Hosn about his faculty mentor, Susan Strohm, senior lecturer in the College of Communications. "In a lot of ways, it was as though I was taking an introductory class in communications."

"I listed the TLAP on my resume and I was frequently asked about the specifics," adds Lau. "I think employers value this kind of experience."

In the course of its two pilot semesters, the TLAP has grown from 10 to 26 faculty, with more than half of the students who

enrolled as assistants in the fall returning to work with new faculty this spring.

Dwyer, who plans to expand the program to serve 60 faculty in fall 2001, is thrilled with its early success and the direct way it fulfills the Center for Education Technology Services' goal of empowering faculty to improve their teaching through technology.

"In the end we all win," Dwyer said. "The faculty gain skills, the students grow professionally and we realize our mission to serve them both."

For more information on the program, visit the TLAP Web site at <http://cac.psu.edu/ta/>, e-mail tlap@psu.edu or call Carol Dwyer at (814) 863-7765.

Courseware

Continued from page 1

modules, which are computer programs that supplement the physical classroom environment, or full courseware — an entirely software-based course.

The subcommittee recommended that the University have copyright ownership on courseware and modules when the University initiates its development as a normal duty or special project of a faculty member for which extra compensation is provided. The University, however, would make no claim to copyright ownership of any form of non-commissioned courseware — but should claim the royalty-free, non-exclusive right to use such software in University programs.

Another recommendation suggested that since complete courseware is a full replacement of a University educational program, the use of such software is allowed only under University supervision. In addition, courseware modules that impose a cost to students also require University approval. No-cost courseware modules may be applied at the discretion and oversight of the Penn State author.

Opposing viewpoints suggested that the proposed plan hin-

ders entrepreneurial activity by University personnel and is counteractive to retaining top faculty. They also suggest that traditional teaching tools that incorporate courseware, such as electronic textbooks, are not clearly addressed.

The report, which was questioned and debated for nearly an hour, was presented for discussion only, not for a vote. Committee members plan to evaluate the Senate feedback and present a revised report at a future meeting.

In other Senate business, legislation designed to improve and expand the active learning component of general education courses was approved.

Informational reports also were given on the student computing initiative, information technology fee and grade distribution. Diane Ryan, executive director of the Penn State Alumni Association, also gave a report to the Senate, citing that in addition to the association's efforts to connect with alumni via intercollegiate athletics, the group also has established successful partnerships through student affairs, outreach and cooperative extension, and the academic community.

EMPLOYEE BENEFITS

Tax-deferred annuities may be started anytime

As the deadline for filing federal income tax returns approaches, faculty and staff are reminded that tax-deferred annuities (TDAs) provide an excellent opportunity to help individuals save for the future, while sheltering some of their income from current federal income taxes. Taxes on the amounts deposited, as well as the interest earned or appreciation realized, are deferred until the money is withdrawn, usually at a more favorable tax rate.

All full-time faculty and staff and part-time faculty and staff enrolled in either of the University's retirement plans may elect to contribute additional money to a TDA as a supplement to their basic retirement plans. Participation in a TDA may begin at any time. Contributions are made through payroll deductions, and a minimum contribution of \$25 per month or \$12 per biweekly pay is required. Contributions also may be expressed as a percentage of gross pay rather than a fixed dollar amount.

The Employee Benefits Division provides a Tax-Deferred Annuity Summary, which includes more information about the five companies authorized to offer TDAs at Penn State and the investment options. The summary is available from the Employee Benefits Division and also can be accessed from the Employee Benefits Division's Web site at <http://www.oks.psu.edu/benefits/>.

For specific information regarding eligibility to participate, maximum annual contribution, IRS regulations or changes in TDA companies, contributions, etc., call the Employee Benefits Division at (814) 865-1473 or e-mail bene@psu.edu.

Grant funds digital image delivery study

The Andrew W. Mellon Foundation has awarded \$755,000 to University Libraries to support an extensive study of digital image delivery.

Leading the study, the Libraries will partner with other University units, including the Center for Education Technology Services, the Center for Quality and Planning, Library Computing Services and the School of Information Sciences and Technology. The Visual Image User Study will examine the use of digital pictures in the arts, environmental studies and the humanities. The project includes the development and testing of a prototype system for image delivery.

Phase one of the project will employ a variety of needs assessment methods and information retrieval studies to analyze current and future needs of teachers, learners, and archival managers. The second phase, based on results of phase one, will create the design and content of the prototype system.

slated to begin in May, activities will continue for 26 months. A summary of the project is available on the Web at: <http://www.libraries.psu.edu/crsweb/vius/>.

Stay informed

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Lectures

Bishop to speak at Delaware County

Bishop John Shelby Spong will give a speech titled "Here I Stand: My Struggle for a Christianity of Integrity, Love and Equality" at 12:30 p.m. Friday, March 23, in 101 Main Building at Penn State Delaware County.

Spong will give his experiences and beliefs about ordaining women and homosexuals, as well as the religious, political

and social issues (pro and con) surrounding those ordinations.

Spong, a scholar, author, and bishop, is the most published author of the House of Bishops of the Episcopal Church in the United States. He is best known for being the first person to ordain a woman and the first to ordain a homosexual in the Episcopal Church.

Lecture focuses on electronic text, images

Michael T. Ryan, will lecture on "Computing and the Humanities: the View from Penn," from 4:30 to 6 p.m. Tuesday, March 20, in Foster Auditorium, 101 Pattee Library on the University Park campus.

Ryan is director of special collections and head of the Schoenberg Center for Electronic Text and Image at the University of Pennsylvania. Penn's electronic center con-

tains collections and exhibits of original texts, documents and sources from its collections. Ryan will discuss his experience at Penn in setting up the center, including its purposes, the problems they faced and how they were resolved, as well as offer implementation and research advice.

The event is free to the public. For information, call Pam Reed at (814) 865-1793.

Speaker will discuss comparative genomics

Steven D. Tanksley, Liberty Hyde Bailey professor of plant breeding and professor of plant biology at Cornell University, will speak March 20 on "Comparative Genomics and Natural Diversity" in the Life Sciences Consortium's Colloquium.

The colloquium will be videoconferenced at 4 p.m.

from 101 Thomas Building, University Park, to Lecture Room D at The Milton S. Eisenhower Medical Center.

Tanksley is chair of the Cornell Genomes Initiative, a new program to enhance and accelerate biological research and training. His other research activities are in plant breeding and plant biology.



Steven Tanksley

Conference looks at medieval marriages

The Center for Medieval Studies will hold a conference titled "Prudence, Passion and Policy: Marriage in the Middle Ages" on April 6 and 7 in the Lipson Auditorium at the Palmer Museum of Art on the University Park campus.

As part of the event, a medieval banquet will be held April 6 at the Centre Hills Country Club and a medieval lunch will be held at April 7 at Café Laura.

A panel discussion of the conference papers will be held at the close of the lectures on April 7 before the afternoon program for teachers.

Participants may register at the door for conference events but the deadline is April 1 for meal registration. For information, call Alan Jalowitz at (814) 863-7484 or e-mail acj2@psu.edu.

Best to speak during Take Daughters to Work Day

Patricia Best, an alumna of the University and State College Area School District's superintendent of schools, will be the keynote speaker during Take Our Daughters to Work Day April 26 at University Park.

Best will discuss "The Power of the Dream" during a luncheon at the south annex of The Bryce Jordan Center.

Best is an adjunct professor in the College of Education and the College of Health and Human Development and is the past president of Leadership Centre County. She serves on the board of directors of the Chamber of Business and Industry of Centre County and is a member of the executive board of the Pennsylvania Asso-

ciation of School Administrators Women's Caucus. Best is the recipient of the College of Education Alumni Society Leadership and Service Award.

This year, about 40 career sites on the University Park campus are offering girls in sixth through 12th grades an opportunity to explore their career options; three sites can be selected during the half-day program.

The cost is \$15 per girl; there is no charge for the mentor. For information, including how to register, call Carol Griffin at (814) 863-6188 or go to the Web at <http://www.outreach.psu.edu/C&L/DaughtersToWork2001/>. The event, the sixth at the University, is coordinated by the Commission for Women.

Perfect foils



Wes Glon, University fencing coach, has created a new program to teach youngsters the art of fencing. Here, Glon helps a couple of girls learn the moves and stances of fencing at a class in White Building on the University Park campus.

Photo: Greg Grieco

AWARDS

Materials Research Lab presents 3 awards

The Materials Research Laboratory (MRL) honored three of its own during a faculty and staff awards banquet at ToFrees Resort and Conference Center Hotel.

Susan Trolier-McKinstry, associate professor of ceramic science and engineering and associate director of MRL, was the recipient of the MRL Faculty Achievement Award. She was honored for her commitment to excellence in education, research and service to MRL and the University.

Joanne E. Aller received the MRL Administrative Staff Excellence Award in recognition of her outstanding service for enhancing the reputation of the Center for Dielectric Studies and ferroelectrics research.

Gaylord D. Shawver received the MRL Technical Staff Excellence Award in recognition of his outstanding service for making MRL a better place to work through his attitude and excellence in facilities maintenance and management.

Delco employee earns University-wide award

Sylvia Schaffer, assistant to the director of student services at Penn State Delaware County, was awarded the University-wide 2001 Outstanding Mentor of Adult Learners Award. The award is presented by the Alpha Sigma Lambda adult honor society.

This award is designed to recognize an

exemplary faculty and/or staff member who demonstrates support for adult learners. All current faculty and staff members at any campus location were eligible for the award, which is given based on the following selection criteria: personal assistance, advocacy and personal qualities.



Appointments

Associate director joins Smeal College of Business Administration

Frederick T. Houlihan has been named the associate director of Information Systems and Operations for The Smeal College of Business Administration. Houlihan is joining the Research, Instruction and Information Technologies Group in the college after a 30-year career with IBM and as an IT consultant to several major financial organizations.

In his new role, Houlihan will be responsible for implementing new technology initiatives and providing leadership to academic and program units of the college to translate technology objectives into strategic plans and system development across the college.

From 1984 through 1991, Houlihan led IBM's Penn State systems engineering technical support team for campus computing and networking. Houlihan retired from IBM in 1995 and was a consultant to The Vanguard Group investment services Web Release Engineering Group before joining the University.

Her experience includes service in industry security with Xerox Corp., Webster N.Y., and SBI Security, Pittsburgh, as well as with the University of Rochester campus police services and the Borough of Homestead municipal police.

Reid has a bachelor's degree in public administration from Point Park College and is pursuing a law degree at Duquesne University.

Safety and Police supervisor named at Penn State McKeesport



Glen Elynn Reid

Penn State McKeesport has named Glen Elynn Reid as supervisor of Safety and Police Services.

Reid served eight years as a military police officer based at Fort Steward, Ga., where she was attached to the Criminal Investigation Detachment Command and worked in undercover narcotics and narcotics-related homicides.

Her experience includes service in industry security with Xerox Corp., Webster N.Y., and SBI Security, Pittsburgh, as well as with the University of Rochester campus police services and the Borough of Homestead municipal police.

Reid has a bachelor's degree in public administration from Point Park College and is pursuing a law degree at Duquesne University.

Director appointed to Undergraduate Fellowships Office

Vivienne J. Wildes has been appointed director of the Undergraduate Fellowships Office in the Office of the Vice Provost and Dean for Undergraduate Education.

Wildes replaces H. Mary Gage who recently retired.

As director, Wildes will oversee and encourage qualified University students to apply for prestigious national scholarships and fellowships.

Before coming to the University, Wildes was the founder and executive director of

the National Waiters Association. She also was director of personnel at The Inn at Little Washington in Washington, Va. In 1992, she joined the University's School of Hotel, Restaurant and Institutional Management, where she is currently an affiliate assistant professor.

Wildes holds a bachelor of arts, a master of science and a doctorate from Penn State and a certificate of African-American Studies from the University of Nairobi, Kenya.

New coordinator of external relations named by college

S. William Hessert Jr. has been named as coordinator of external relations for the College of Health and Human Development.

Hessert will coordinate the college's external relations program including publications, media relations, electronic communications and other strategic communications. He will be the editor of the college's alumni magazine and serve as a liaison with academic unit heads, alumni, development officers, outreach staff and student services personnel in the college.

Hessert was manager of grant relations for the Commonwealth College. This position included most public information functions for the college. Hessert's journalism and public relations experience also includes serving as executive editor of the *Pennsylvania Business Central and State College*, the magazine, from 1997 to 1999.

Hessert completed an undergraduate degree in accounting from Lycoming College in 1985. In 1995, he received his master's degree in journalism from Temple University. Hessert is a board member of the Penn State Faculty Staff Club, a member of the executive committee and chairman of the promotions committee.

Joseph Lambert appointed as IST's senior associate dean

Joseph M. Lambert, who helped lead the launching and development of the School of Information Sciences and Technology (IST), has been named the school's senior associate dean.

In 1999, Lambert became the first associate dean of IST, after having played an instrumental role in the creation of the school's curriculum, programs and infrastructure. Since then, he has acted as IST's chief budget officer and serves as chair of the committee overseeing the design and construction of the school's new building, slated for completion in 2003.

He coordinates IST undergraduate programs at University Park and the 18 other University locations where they are offered. In addition to other duties, he is chief liaison with other University units collaborating in joint IST minors.

Lambert has served as head of the Department Computer Science and Engineering and was head and associate head of the Department of Computer Science

before that. Immediately before being named IST's associate dean, he was director of academic affairs for the Department of Computer Science and Engineering. For three years, he was assistant dean for commonwealth campuses and continuing education with the Eberly College of Science.

Lambert joined the faculty in 1970 as an assistant professor of mathematics and in 1976 was promoted to associate professor. In 1979, he was named assistant dean in the Eberly College and served in that capacity until 1982, leading the college's commonwealth campus and continuing education initiatives. During the latter two years of that period, Lambert also was acting head of computer science.

After returning from a year as a visiting professor at Cornell University, he was formally selected head of the Department of Computer Science in 1982 and was named an associate professor of computer science and mathematics.

Pennsylvania State Data Center appoints new director

Sue Copella is the new director of the Pennsylvania State Data Center located at Penn State Harrisburg.

A member of the Data Center staff since 1990, Copella was most recently its manager of sponsored research. In that position, she served as project director on a number of sponsored research projects and continues to serve as the Commonwealth's representative to the Federal-State Cooperative

Program for Population Estimates and the Federal-State Cooperative Program for Population Projections. She also is the state's representative to the Census Bureau on issues related to the 2000 Census.

Copella worked in urban and regional planning-related agencies prior to joining the University and holds a bachelor's degree in urban studies and geography from the University of Pittsburgh.

Penn State Berks-Lehigh Valley names Continuing Ed employee

Greg Lenhart recently joined the Continuing Education team as an area representative at Penn State Berks-Lehigh Valley.

He will be responsible for building relationships with area businesses to market Continuing Education technology classes as well as assist in Information Technology course development.

Before his appointment, Lenhart resided in Apopka, Fla., where he was

director of Lenhart Systems, a consulting business specializing in hardware and software resolutions. Before that, he was operations manager for T.D. Waterhouse in Orlando.

A graduate of the University, Lenhart received his bachelor of arts in labor and industrial relations, and is currently working on his master's degree in counseling psychology.

Internship placement coordinator named at Lehigh Valley

Penn State Lehigh Valley College recently hired Chris Plautz as the coordinator of placement and internships.

He will work to facilitate internships and job placements for Lehigh Valley students.

Plautz previously worked as a counselor at Craven Community College in

New Bern, N.C.

He is currently working on his doctorate in higher education from North Carolina State University. He holds a master of arts in counselor education and a bachelor of social work from East Carolina University, Greenville, N.C.

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Arts & Entertainment

Clapton coming

Eric Clapton will perform at 7:30 p.m. May 30 at The Bryce Jordan Center, University Park. Tickets are \$68.50 and \$47.50 for reserved seating, and go on sale at 10 a.m. March 17 at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, or by phone at (800) 863-3336 or (814) 865-5555. Wristbands will be available from 8 a.m. to 6 p.m. March 16 and from 8 to 9 a.m. March 17 for those purchasing tickets at The Bryce Jordan Center. For more information, check the Web at <http://www.bjc.psu.edu/>.

Gershwin concert

"Rhapsody," Steinway and Sons' 100th birthday tribute to pianist and composer George Gershwin, will be featured in a special all-Gershwin performance at 8 p.m. March 16 in the Esber Recital Hall, Music Building I, on the University Park campus.

The concert will feature School of Music faculty members Susan Boardman, Kim Cook, Timothy Deighton, Julian Hook, James Lyon, Mary Saunders, Norman Spivey, Timothy Shafer and Dan Yoder. Centre Dimensions also will perform. Tickets are \$12 for general admission and \$4.50 for students. A limited number of tickets will be available at the door. For tickets and information, call (814) 865-0431.

'Chanticleer' to crow

The Penn State Opera Theatre will present "Chanticleer" as this year's children's opera at 3 p.m. Saturday, March 17, and Sunday, March 18, in 110 Music Building I on the University Park campus. The performances are free to the public.

Orchestra lecture

"An Afternoon with the Arts" continues with a lecture by David Hayes, conductor and musical director of the Philadelphia Singers, at 2:30 p.m. Sunday, March 18, in 112 Woodland Building on the Penn State Abington campus.

Hayes will lecture on Tippett's "Symphony No. 4" and Ravel's "Daphnis et Chloe." The fee for the lecture is \$15, \$5 for senior citizens. Students with a valid ID card are free. For information and registration, call (215) 861-7368.

Jazz concert

Inner Dimensions will present a free concert of jazz music at 8 p.m. Tuesday, March 20, in the Esber Recital Hall, Music Building I, on the University Park campus.

'Babes' put on a show

"Babes in Arms" will be performed at 8 p.m. March 21-24, and 2:30 p.m. March 25, in Penn State Erie's newly dedicated Athletics and Recreation Center. For tickets, call (814) 898-6242.

Bach's Lunch

The Penn State Concert Choir, directed by Steven Zopf, will perform at the Bach's



Samples from an explosion may be key bits of evidence for Seth (Alex Robertson) and Corey (Laura Ames) in the drama "Show and Tell," being presented March 23 through 31 at the Playhouse Theatre on the University Park campus.

Photo: Greg Grieco

Lunch concert at 12:10 p.m. Thursday, March 22, in the Helen Eskin Eisenhower Chapel on the University Park campus.

After the concert, audience members may take their bag lunches to the Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

'Show and Tell'

"Show and Tell," a modern drama by Anthony Clavio, will be presented March 23 through 31 at the Playhouse Theatre on the University Park campus.

The play deals with the aftermath of classroom explosion in which 24 children are killed and with the teacher who survives.

Curtain times are 8 p.m. March 23 and 24 and March 27 to March 31. Preview performances will be March 21 and 22, and a matinee will be at 2 p.m. March 31. Ticket prices start at \$9.50. Call (814) 863-0255 or (800) ARTS-TIX.

Two new exhibits

The following exhibits are opening on the University Park campus:

The School of Visual Arts Graduate Exhibit of mixed media will be on display through March 25 in the HUB Gallery of the HUB-Robson Center. This exhibition is a student show by master of fine arts candidates.

"Photographic Ethnobotany: Peruvian

Plants and People Benjamin Chermal" will be on display March 16 through May 13 in West Halls. Consisting of 20 photographs showcasing the biological and cultural richness of the Andes Mountains and Amazon rainforests of Peru, this exhibition is the culmination of Chermal's honors thesis research.

Piano trio

"Music at Noon: The Logan Wintergarden Series" will continue with a performance by the Triple Helix Piano Trio on Monday, March 26, at Penn State Erie.

Guests may bring a brown-bag lunch to the noontime concert in the Wintergarden of the Reed Union Building. The event is free to the public. For information, call (814) 898-6171.

Bible exhibited

An exhibit in the Special Collections Library highlights a recent gift from the Hastings Family Endowment for the Libraries of a deluxe edition of the Pennyroyal Caxton Bible, designed and illustrated by Barry Moser, University Park. The exhibit runs through April 13 in the Eberly Family Special Collections Library, 104 Paterno Library.

The donor of the Bible, the late John D. Hastings, was a University graduate and the longtime owner of a bookstore, Readers' Forum, in Wayne. For information

about this Bible, go to <http://www.pennyroyal-caxton.com>

Centre Stage 2001

Following is the schedule for the 2001 Pennsylvania Centre Stage Season. All performances are at the Playhouse Theatre on the University Park campus. For more information, check the Web at <http://www.pacentrestage.psu.edu/>.

■ "Wit," by Margaret Edson. "Wit" ricochets between poetry and science in an exploration of the balance between our most basic needs. Professor Vivian Bearing uses her great intellect and love of poetry to battle her debilitating cancer and retain her dignity as a human being. The teacher becomes a student once more as Bearing learns that intellectual brilliance is not as important as simple human kindness. Tickets: General \$25, preview \$22; student \$22, preview \$19; child \$19, preview \$16. Plays at 8 p.m. May 11, 12, 18 and 19; and at 7:30 p.m. May 14-17. Previews are at 7:30 p.m. May 9-10.

■ "Little Shop of Horrors," composed by Miles Goodman, Alan Menken and Howard Ashman. Seymour, the nerdy plant shop employee, buys an exotic plant that soon reveals a thirst for human blood in this combination musical comedy/science-fiction horror show. This is all tongue-in-cheek so it is a G-rated monster musical for the entire family. Tickets: General \$29, preview \$26; student \$26, preview \$23; child \$23, preview \$20. Plays at 8 p.m. June 8, 9, 15 and 16; at 7:30 p.m. June 12-14; and at 2 p.m. June 16. Previews are at 7:30 p.m. June 6-7.

■ "Beehive" The '60s Musical S.W.A.T., created by Larry Gallagher. "Beehive" is a high-energy musical revue tracing the legendary music of the 1960s through 37 popular hits of the girl groups and solo singers of the era. Tickets: General \$29, preview \$26; student \$26, preview \$23; child \$23, preview \$20. Plays at 8 p.m. June 22, 23, 29 and 30; at 7:30 p.m. June 27-28; and at 2 p.m. June 30. Previews are at 7:30 p.m. June 20-21.

■ "The Real Inspector Hound" by Tom Stoppard and "The Actor's Nightmare" by Christopher Durang. The evening features two one-act plays. Tickets: General \$25, preview \$22; student \$22, preview \$19; child \$19, preview \$16. Plays at 8 p.m. July 13, 14 and 20; at 7:30 p.m. July 17-19; and at 2 p.m. July 21. Previews are at 7:30 p.m. July 11-12.

■ "Gufaw! A Couple of Clowns Centre Stage." The evening features "The Funniest Man You'll Never Hear" starring Ken Sonkin, and "France's Beloved Buffo the Clown," featuring Howard Buten. "The Funniest Man You'll Never Hear" is a combination of magic, comedy, dance, mime and juggling, all choreographed to music. In "France's Beloved Buffo the Clown," Buten sings, dances, plays the trumpet, drums and a harmonica with his nose and performs other antics. Tickets: General \$25, preview \$22; student \$22, preview \$19; child \$19, preview \$16. Plays at 7:30 p.m. July 25-26; at 8 p.m. July 27-28 and at 2 p.m. July 28.



University Park Calendar

March 16 - March 25

SPECIAL EVENTS

Monday, March 19

"Exploring America's Rivers and Lakes," video, 12:05 to 1 p.m., 10S Deike.

Tuesday, March 20

The Clothesline Project, video/discussion, noon to 1 p.m., 12D Boucke.

Wednesday, March 21

"White Sands, White Wilderness (Gypsum Dunes)," video, 12:05 to 1 p.m., 10S Deike. Aeros, a choreographed gymnastic troupe, 7:30 p.m., Eisenhower Auditorium. For tickets, call (B0D) ARTS-TIX.

Friday, March 23

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," gallery talk, by Jennifer Noonan, 1 p.m., Palmer Museum. "Show & Tell," by Anthony Clavoe, The Playhouse Theatre, through March 31. For tickets, call (B14) 863-0255.

MUSIC

Friday, March 16

All-Gershwin performance, 8 p.m., Music I. For tickets, call (B14) 865-0431.

Saturday, March 17

"Chanticleer," The Penn State Opera Theatre, 3 p.m., 110 Music I.

Tuesday, March 20

Inner Dimensions, jazz, 8 p.m., Music I.

Thursday, March 22

The Penn State Concert Choir, Steven Zopf, director, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, March 16

Derek Lovley on "Environmental Chemistry Symposium," 3:35 to 4:25 p.m., 1D1 Agricultural Sciences and Industries.

Grace Wang on "Managing Pennsylvania's Deer Habitat," 4 p.m., 3D1 Steidle.

Monday, March 19

Cynthia A. Baldwin, the first black female judge elected to the Allegheny Court of Common Pleas, lecture/banquet, 6 p.m., The Penn State. For tickets, call (B14) 863-8493.

Tuesday, March 20

Vassily Hatzimantakits on "Mathematical and Computational Analysis of Complex Cellular Processes," 10 a.m., 14D Fenske Lab.

David DiVincenzo on "Prospects for the Physical Implementation of Quantum Computation," 3:30 p.m., 339 Davey Laboratory.

Mark Greenberg on "Integrating Research and Outreach: The Prevention Research Center for the Promotion of Human Development," 4 p.m., S209 Henderson.

Kunal Mukhopadhyay on "Macromolecular Assembly in Viruses," 4 p.m., SS Osmond Laboratory.

Mercuri Kanatzidis on "From Baklava to Beehives: Organic/Inorganic Nanocomposites from Confined Polymerization: Controlling the Architecture of the Organic Phase by Templating with the Inorganic Phase and Vice Versa," 4 p.m., 22 Deike.

Steven D. Tanksley on "Comparative Genomics and Natural Diversity," 4 p.m., 1D1 Thomas.

Michael T. Ryan on "Computing and the Humanities: The View from Penn," 4:30 to 6 p.m., 1D1 Pattie Library.



"Photographic Ethnobotany: Peruvian Plants and People" is a collection of 20 photographs showcasing the biological and cultural richness of the Andes Mountains and Amazon rainforests of Peru. This exhibit by Benjamin Chemal runs through May 13 in the West Halls exhibit area on the University Park campus.

Wednesday, March 21

Barbara W.K. Yee on "Health Beliefs and Lifestyle Practices Among Vietnamese Adults," noon to 1 p.m., 108 Wartik Lab.

Surinder Chopra on "Molecular Analysis of Regulation of Maize Flavonoid Biosynthesis," 12:20 to 1:10 p.m., 105 Wartik Lab.

Thursday, March 22

Ronald Raines on "Chemical Biology of Proteins," 12:15 p.m., SS Osmond Laboratory.

Sandra Shultz on "ACL Injury in the Female Athlete: Assessment of Neuromuscular Risk Factors," 4:30 p.m., 12 Walker.

Friday, March 23

Bradley Park on "The Use of Basamid (Dazomet) Soil Fungicide for Pea Annuity Control in Turfgrass Establishment," 3:35 to 4:25 p.m., 1D1 Agricultural Sciences and Industries.

John Western on "So Where is Strasburg? Tomi Ungerer's Take," 4 p.m., 301 Steidle.

Jamies McCarthy on "Globalization and the Environmental Politics of Scale," 4 p.m., 301 Steidle.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

"School of Visual Arts Graduate Exhibit," mixed media, through March 25.

Kern exhibit area

"Lego Sculptures," by Alpha D. Harrison, through April 4.

"Retreat" photography by Jason Fagone, through May 16.

Commonwealth College Faculty Books, through April 30.

Palmer Museum of Art

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Daguerreotype Portrait in America," through May 20.

"An Artistic Friendship: Beauford Delaney and Lawrence Calcagno," through May 13.

Palermo Library

"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetler and Chris Gaines Memorial Library Collections," through May 15.

Pennyroyal Caxton Bible, through April 13.

West Halls exhibit area

"Photographic Ethnobotany: Peruvian Plants and People Benjamin Chemal," through May 13.

"Photographic Ethnobotany: Peruvian Plants and People Benjamin Chemal," through May 13.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calenda/>.

For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Stay informed

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://www.psu.edu/> and click on the link under "Announcements" to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



News in Brief

Penn College Open House

Campus tours, information sessions and other activities will be held during the annual spring Open House on Sunday, March 25, at Pennsylvania College of Technology.

Demonstrations and displays will be open from 11 a.m. to 3 p.m., and general information sessions for future students will be offered from 10 a.m. to 2 p.m. Activities are planned at Penn College's main campus in Williamsport, the Lumley Aviation Center at the Williamsport Regional Airport in Montoursville, the Schneebeli Earth Science Center near Allenwood, the Advanced Automotive Technology Center in Logue Industrial Park in Williamsport and the North Campus near Wellsboro.

For information, call (800) 367-9222 or register online at <http://www.pct.edu/openhouse>.

Ag open house

The College of Agricultural Sciences will hold its Eighth Annual Open House for prospective students from 8 a.m. to 4:30 p.m. Saturday, March 31, in the Agricultural Sciences and Industries (ASI) Building on the University Park campus.

The event will begin with an informational fair at 8 a.m., followed by a general session at 9 a.m. and academic advising sessions at 10 a.m. Other activities include a luncheon and advising session for students who already have started their education at a Penn State location other than University Park at noon in 101 ASI; an information session for minority students at noon in 107 ASI; and a panel discussion at 1:30 p.m. in 101 ASI.

To register for the open house or for more information, go to <http://www.cas.psu.edu> on the Web, call the Office for Undergraduate Education at (814) 865-7521 or e-mail Marianne Fivick at malfivick@psu.edu.

Diversity Appreciation Weekend

The Minority MBA Association in The Smell College of Business Administration will hold Diversity Appreciation Weekend 2001 from April 5-8 at the University Park campus.

The event is to encourage qualified minority students to attend Penn State by familiarizing them with Smell College's facilities, faculty, staff, students and alumni, according to Tony D. Scott, chairman for the event.

A number of events have been scheduled for the weekend including a reception, banquet, opportunities to sit in on MBA classes, meetings with corporate representatives and an alumni panel workshop.

For information, call Tony Scott at (814) 235-6922 or e-mail tds163@psu.edu.

Telecommunications deadlines

The Office of Telecommunications (OTC) reminds the University community to plan now for any telecommunications work that needs to be completed before the beginning of the fall semester.

Depending on the type of services requested, lead times can range from two weeks to more than 12 weeks for more complex services. To have telecommunications work completed before the start of fall semester, be sure that a signed Telecommunications Service Requisition (TSR) is submitted to the OTC Business Office by May 4.

If telecommunications work that needs to be billed from 2000/2001 fiscal year funds requires a signed TSR submitted to the OTC Business Office on or before April 6, OTC's communications analysts are available to assist departments in submission of the necessary paperwork in order to ensure timely completion of projects. A listing of area communications analysts is available at <http://www.otc.psu.edu/staff/analysts.html>. See <http://www.otc.psu.edu/policies/leadtime.html> for more information on estimated lead times for OTC work.

Web conference presentations

Presentation proposals are being sought for the Web 2001 Conference which will be held from 8 a.m. to 5 p.m. June 26 at The Penn State Conference Center Hotel, University Park.

The conference is open to University

employees who support an official University Web site as a server administrator, writer, designer, programmer or manager.

To submit a proposal, check the Web site at <http://cac.psu.edu/web2001/surveys/call.html>. The proposal must be submitted by Monday, March 19. For more information about the conference, check <http://cac.psu.edu/web2001>.

Behavioral studies

The food lab needs overweight women ages 18-45 to participate in a study of food-related behavior which consists of eating breakfast, lunch and dinner in the lab in Henderson Building one day a week for three weeks.

The lab also needs women ages 25-45 to participate in another study of food-related behavior in which participants will eat breakfast, lunch and dinner in the Henderson Building lab one day a week for three weeks.

Participants will be compensated. If interested, call Angie at (814) 863-8482.

Holy day calendar

Occasionally students request exemptions from class attendance and other University obligations for purposes of religious observance. Most University faculty and staff are willing to entertain such requests, but many are unsure as to which holy days may merit excusable absence.

In consultation with campus and community religious leaders The Center for Ethics and Religious Affairs has compiled a listing of those holy days of the major world religions for which observance may require a student to depart from his or her normal routine at the University. Only those holy days which occur when classes are in session have been included. This is not, therefore, an exhaustive list of all major holy days in each religious tradition.

The Penn State Holy Day Observance Letter has been distributed to the University community. The information also is available on the Web at

<http://www.usa.psu.edu/cera/reliho.html>

For more information, call Kenneth I. Clarke, director Center for Ethics and Religious Affairs, at (814) 865-6548.

Carpoolers sought

Charlie is looking for carpoolers to share the driving from Lock Haven. Call (814) 863-4459.

New references available

Four new resources — The AMICO Library, The Dictionary of Art, The New Grove Dictionary of Opera Online and The New Grove Dictionary of Music Online — have been added to the Fast-Track database on LIAS.

The AMICO Library is an annually updated database of more than 65,000 digital images of art from more than 30 North American museums. The Dictionary of Art is a written history of all forms of the visual arts — including architecture, ceramics, sculptures, drawings and many others. The New Grove Dictionary of Opera Online covers the history of opera providing detailed information about composers, operatic works, singers, writers, conductors, choreographers and directors. The New Grove Dictionary of Music Online is a general source on the history of music.

For information, check the Web at <http://www.lias.psu.edu:80/alalt.html>

New booklet available

The Office of University Relations has published an updated and redesigned edition of the *Penn State Facts* booklet, containing a summary of information about such topics as enrollment, finances, physical plant, research and athletics.

University Relations also has available the recent brochure, *19 Ways Penn State is Making Life Better*. For copies of either publication, call (814) 863-1073 or e-mail csg10@psu.edu.

For the Record

Albert L. Stiehl was associate professor engineering at Penn State McKeesport before his retirement. His title was incorrect in a listing of retirees on page 8 of the Feb. 15 issue of *Intercom*.

OBITUARIES

E. Arthur Hungerford Jr., associate professor of speech for radio and television, 89, died Feb. 17.

In 1952, he assisted in the direction of the Educational Television Programs Institute held at Penn State.

In 1961, he became an assistant and later an associate professor of speech for radio and television at Penn State, retiring in 1972.

He served as the chairman of the Broadcast Options Committee and was active in planning the University educational television station, WPXS-TV.

During the 1960s, he acted as adviser to educational planners in Algeria, South

east Asia, the Philippines, Pakistan and Honduras. In 1964, he contributed a chapter on studio and control equipment for the textbook *Understanding Television*, and his articles have appeared in numerous industry magazines.

He was a 1933 graduate of the Massachusetts Institute of Technology with a bachelor's degree in business and engineering administration and a 1959 graduate of New York University's college of education with a master's degree.

In retirement as a visiting professor, he taught management at the University of Utah and the University of Central Florida

and has been affiliated with the National Cable Television Center and Museum at Penn State.

Harvey Kelly, assistant professor of speech communications at Penn State Beaver, age 68, died Feb. 22.

Kelly taught speech communication and theatre for 30 years at the campus. He and his collaborator, retired faculty member Emma Rocco, produced numerous plays and musicals on campus, at the Broadhead Cultural Center and in the community. Kelly also led the Masquers student theatre troupe.

Kelly received a bachelor of arts and a

master of education in speech, both from the University of Pittsburgh. He also had done additional graduate work at University of Pittsburgh, Penn State and the State University of New York at Stony Brook.

Memorial contributions be made to the Harvey R. Kelly Jr. and Dr. Emma S. Rocco Arts and Communications Scholarship at Penn State Beaver, in the Office of University Relations.

Carol L. Spicer, janitorial worker in the Office of Physical Plant, from Nov. 11, 1969, until her retirement Jan. 3, 1999; died Feb. 12 at age 61.

Annual Graduate Exhibition planned for March 24, 25

Graduate students will have an opportunity to showcase their research and creative endeavors March 24 and 25 at the 16th Annual Graduate Exhibition at University Park.

More than 220 students are expected to participate this year. Students whose presentations are judged best in each of seven categories (arts and humanities, engineering, health and life sciences, physical sciences, social and behavioral sciences, performance and visual arts) will receive awards ranging from \$100 to \$500. Judges will include faculty members, graduate students and members of the Graduate School Alumni Society board of directors.

The Graduate Exhibition includes three

components:

- The poster session, open to students in all fields who are engaged in traditional scholarly research;

- The performance option, designed for those graduate students for whom performing (music, theatre, dance, etc.) is a required part of their graduate degree program; and

- The visual arts display, designed for those graduate students for whom creating studio work (drawings, paintings, sculptures, etc.) is a required part of their graduate degree program.

This year, there are several changes. The poster session will return to the HUB and will be held from noon to 4 p.m. Sunday, March

25, in the Alumni and Heritage Halls.

Entrants in the visual arts display will enjoy a new venue in the HUB Gallery, where their works will be displayed for two weeks.

The closing awards ceremony, scheduled for 4:30 p.m. Sunday, March 25, in the HUB Auditorium, will feature encore performances by the winners of the performance option. The performance competition will be at 7 p.m. Saturday, March 24, in the Esber Recital Hall, Music Building 1.

All events are free to the public. For information, visit the Graduate School's Web site at <http://www.gradsch.psu.edu/exhibition/>

Undergrads compete for cash awards in exhibition

The annual Undergraduate Exhibition, formerly the Undergraduate Research Fair, is scheduled for Wednesday, March 21, and Thursday, March 22, on the University Park campus.

The exhibition, now in its 10th year, will include poster and performance sessions.

The exhibition is a way for undergraduate students to showcase and explain their work to a general audience and to compete for awards totaling approximately \$2,500.

The performance sessions of the exhibition will be held from 1 to 3 p.m. Thursday, March 22, in the Alumni Hall, HUB-

Robeson Center. Exhibits will be open to the public from noon to 5 p.m. March 21 and from 8 a.m. to 1 p.m. and 3 to 4 p.m. March 22, in Alumni Hall.

Additional information about the event can be found by visiting <http://www.scholars.psu.edu/>.

Mont Alto starts search for a campus executive officer

The Commonwealth College is seeking applications and nominations for the position of campus executive officer (CEO) at Penn State Mont Alto.

Current CEO David Goldenberg has announced his departure effective June 30.

The CEO reports to the dean of the Commonwealth College and provides academic and administrative leadership for the campus in all areas, including academic programming (both resident instruction and continuing education), human resources, fiscal management and facilities maintenance/improvement. This employee also is responsible for developing and maintaining close relationships with surrounding communities as well as other University campuses and administrative units.

Qualifications include:

- Earned doctorate and significant college teaching experience;

- Record of success as a senior academic administrator or similar high-level administrative position;

- Demonstrated leadership skills, vision and ability to identify and build on the strengths of a successful academic institution;

- Familiarity with the use and implementation of technology in an educational setting;

- Well-developed communication skills and a demonstrated ability to work in an environment of collegiality and shared decision-making;

- Success in building a rich, diverse workforce and student community;

- Extensive experience in developing collaborative partnerships with community and business leaders; and

- Ability to work collaboratively within a multi-campus system to identify and achieve common goals.

Applicants should submit a letter of application, resume and the names, addresses (including e-mail addresses) and phone numbers of three professional references to: Lisa B. Squire, director, College Administration, Planning and Information Technology, 111 Old Main, University Park, Pa. 16802.

The position is available July 1. Review of applications will begin April 20 and continue until the position is filled.

Agronomy begins search for new department head

The College of Agricultural Sciences is conducting a national search for an individual to fill the position of professor and head of the Department of Agronomy.

After more than six years of service as department head, Steven L. Fales has accepted the position of head of the Agronomy Department at Iowa State University.

This position is the departmental administrative officer and program leader, and he or she reports directly to the dean of the College of Agricultural Sciences. Duties will include:

- Leadership and coordination of resident instruction, cooperative

extension/outreach and research to maintain and enhance the growth of these activities;

- Administrative responsibility for academic affairs, departmental personnel, financial matters and physical facilities;

- Leadership and coordination of departmental public relations; and

- Leadership in development and other fund-raising activities for departmental programs and capital improvements.

Candidates should possess a doctorate in plant sciences, agronomy, soil science or a closely related field.

Applicants should submit a letter of

application, a complete resume with documentation of academic training and professional leadership, a statement of leadership philosophy and vision, and the names, addresses, telephone numbers and e-mail addresses of five individuals who can be contacted for recommendations. Send to: Marvin H. Hall, chair, Advisory Search Committee, Department of Agronomy, Penn State, 116 ASI Building-Box INT, University Park, Pa. 16802. For information, e-mail Hall at mhh2@psu.edu.

The position is available July 1. Applications will be accepted until June 15 or until a suitable candidate is identified.

PARTINGS

Professor retires with emeritus status from Engineering

Budugur Lakshminarayana, Evan Pugh professor of aerospace engineering and director of the Center for Gas Turbines and Power, has retired with emeritus status after 37 years of teaching, research and consulting in turbomachinery aerodynamics, computational fluid dynamics, aerospace propulsion, gas turbines, turbulence modeling and aerodynamics.

Lakshminarayana
Budugur Lakshminarayana

Lakshminarayana was instrumental in developing the turbomachinery laboratory at Penn State. He helped establish the University's computational fluid dynamics program, serving as program director from 1981 through 1987. He was also instrumental in founding the Center for Gas Turbines and Power, an interdisciplinary research facility, and has served as director since its inception in 1994. He and his students are credited with providing a comprehensive understanding of flow field in aircraft, spacecraft and automotive turbomachinery. His loss correlation for leakage flow, published in 1970, is used throughout the aircraft industry, and his wake models, developed in the 1980s, are widely used to predict noise in aircraft turbomachinery.

Lakshminarayana earned a bachelor of science at Mysore University in India and a doctorate at the University of Liverpool in England. In 1981 he received a doctor of engineering degree from the University of Liverpool in recognition of his distinguished contributions to engineering.

Lakshminarayana will continue his research and teaching at Penn State.

Retirees bid farewell to the University

Adrienne Y. Washington, nutrition adviser in the College of Agricultural Sciences, from July 1, 1977, to Feb. 1.

The following individual has earned emeritus rank from the University for his longstanding and productive years of service:

Stanford M. Lembeck, professor emeritus of agricultural economics and rural sociology in the College of Agricultural Sciences, from Feb. 1, 1965, to Feb. 1.



Private Giving



THE
PENN STATE
CAMPAIGN

"I contribute to a couple of scholarship funds because of the high value I place on the importance of education. I'm particularly interested in doing something to help unconventional students and students who may find themselves a minority in an academic area. Such students need an extra measure of bravery to pursue their academic goals, and I'm glad to be able to help in any way I can."

Jan Landa Pytel

Administrative Fellow in the Office of the Executive Vice President and Provost. She joined the faculty in the College of Engineering in 1979.

For more information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/facultystaff.asp>

Leading the Way The Faculty and Staff Campaign 2001



Hillel donates \$250,000 to Spiritual Center

Penn State Hillel has given \$250,000 toward the construction of the Pasquerilla Spiritual Center, which will add much-needed space for worship and other spiritual and educational activities on the University Park campus.

Hillel: The Foundation for Jewish Campus Life is offering opportunities for enrichment and leadership development through religious, social and educational activities

to more than 3,700 Jewish students.

Construction of the Pasquerilla Spiritual Center is slated to begin soon after the University's Board of Trustees approves the final design, which could happen as early as the trustees meeting March 16. The building, adjoining Eisenhower Chapel, will cost about \$9 million, all of which will come from private funds. Hillel's gift brings the total raised thus far to just over \$8 million.

Student participation in religious and spiritual activities has grown far beyond the ability of Eisenhower Chapel's ability to accommodate the needs of Penn State's 32 registered student religious organizations.

The spiritual center is named in honor of the late Frank and Sylvia Pasquerilla of Johnstown, who provided the leadership gift for its construction.

information sciences and technology, to be offered by the College of Arts and Architecture and the School of Information Sciences and Technology beginning next fall.

The studio will provide much-needed lab space for the College of Arts and Architecture, which already has eight labs outfitted with Apple equipment. The value of the new equipment is about \$164,000.

Apple provides equipment for new digital research lab in Patterson Building

Apple Computer has donated 40 desktop and laptop computers, a camcorder, a digital camera and other related equipment to furnish a new digital research lab in Patterson Building, home of the School of Visual Arts at University Park.

The Apple Digital Imaging Studio, scheduled to open in the fall, will support the new collaborative minor in digital arts and inter-

According to J. Gary Augustson, vice provost for information technology, the lab, which will be open to all students when not being used for a class, will be staffed by the Center for Academic Computing (CAC). The CAC also will provide peripheral equipment, such as printers, for the lab.

Construction of the new computing lab will begin this summer.

PENN STATERS

Tom Griffiths, manager of aquatic facilities, has developed a systematic approach to lifeguard surveillance called "The Five Minute Scanning Strategy" based on surveys with more than 10,000 lifeguards since 1994. His recently released video illustrates the techniques that increase lifeguard alertness while reducing boredom and fatigue. The Pool Management Group, with headquarters in Atlanta, has required all 2,500 of its lifeguards to use the strategy. The success of the program has led to the development of a new line of lifeguard chairs by Griffiths, which provide a wider, more diverse platform to encourage lifeguards to stand and move around the station rather than just sitting while on duty.

Mark Gultinan, associate professor of plant molecular biology, presented the paper "Greenhouse and Field Evaluation of Orthotropic Cacao Plants Produced via Somatic Embryogenesis, Micro and Macropropagation" at the 13th International Cocoa Research Conference in Koto Kinabalu, Malaysia.

Martha T. Halsey, professor emerita of Spanish, delivered a keynote address in Spain at an international conference titled, "Antonio Buero Vallejo: Universal Playwright." Buero Vallejo is a prominent Spanish dramatist who recently died.

Larry Hutchinson, professor of veterinary science, presented three papers: "Control of Paratuberculosis in Cattle," "The Team Process of Problem-solving on Dairy Farms" and "Solving Mastitis and Milk Quality Problems," at the Portuguese Buiatrics (Cattle Health) Congress in Evora, Portugal.

Kwang Y. Lee, professor of electrical engineering, has been named a Fellow of the Institute of Electrical and Electronics Engineers. Lee was selected for his contributions to the development and implementation of intelligent system techniques for power plants and power systems control.

George A. Lesieutre, professor of aerospace engineering, received a best paper award from the American Institute of Aeronautics and Astronautics' Structures, Structural Dynamics and Materials Conference. The paper, "Modeling of Shock Propagation and Attenuation in Viscoelastic Materials," was co-authored with Razvan Rusovici, a Penn State aerospace engineering master's graduate, and Daniel Inman, G.R. Goodson professor of mechanical engineering at Virginia Tech.

Gabriella Varga, professor of animal science, received the American Feed Industry Award at the national meeting of the American Dairy Science Association in Baltimore.



Focus on Research

Engineers discover new methods to protect against windstorm damage

By CURTIS CHAN
College of Engineering

According to a recent engineering study, the "sacrificial ply" glazing system is the safest, most economical way to save lives and protect property where architectural glass windows are employed in windstorm-prone areas.

The study team, consisting of Richard Behr, professor and head of architectural engineering; Paul Kremer, research associate in architectural engineering; and Joseph Minor, research professor at the University of Missouri-Rolla's Graduate Center for Materials Research, came to its conclusion after examining buildings in areas devastated by hurricanes and conducting extensive laboratory tests.

In the "sacrificial ply" glazing system, two plies of glass are laminated to a thin, clear plastic sheet to produce a laminated glass window unit. During a hurricane or tornado, the outer, exterior-facing glass is sacrificed to the impact of flying debris, while the inner glass ply and weather seal around the glass perimeter is preserved, thus protecting the building and its occupants. Many manufacturers currently make laminated glass and the sacrificial ply laminated glass can be installed in many commercially available window frames.

"We concluded that the majority of damage didn't come from high wind pressures as many building designers originally thought, but from windborne debris impacts," Behr and Minor said. "It's costly to repair buildings. We saw entire building facades without glass, which allowed wind and rain to ruin the entire building interior. What's worse is that some of those businesses had to shut down for months. It was a huge economic loss in terms of productivity."

In addition to studying damage in the wake of hurricanes, including 1992's Hurricane Andrew, the team developed computer models and tested laminated glass to check models and prove the sacrificial ply design concept. They simulated flying debris by



Laminated glass in the background is impacted with 2-gram steel balls using the compressed air cannon at right to simulate the action of flying windborne debris such as roof gravel.

Photo: Paul Kremer

launching wooden 2x4s (representing large objects) and steel ball bearings (representing small objects) at samples of laminated glass, using compressed air cannons.

"We started at low velocities and kept incrementing until we reached failure in the inner glass ply," Kremer explained. "We're using the data and developing design tables and curves that supplement the current procedure designers use when choosing glass to handle wind loads. Now

they will have quantitative information that lets them take it into account windborne debris in the design process."

Although it is not currently mandated by building codes, Kremer said the concept offers a promising option for building designers.

"We are very optimistic that our sacrificial ply research will significantly enhance the hurricane resistance of windows in buildings," Behr said.

Center focuses on enabling buildings to withstand blasts

With the aid of a two-year, \$3.51 million contract from the U.S. Army Corps of Engineers, the University has established a Protective Technology Center to develop methods to ensure the safety of U.S. government and military personnel and facilities under terrorist bomb threat.

Theodor Krauthammer, professor of civil engineering, is director of the new center. He is a specialist in the study of the survivability and fragility aspects of facilities subjected to blast, shock and impact.

About 30 faculty members, technical support staff members and students will be associated with the new center, which will be the largest of its type in the United States.

"We're going to perform research on a broad range of areas related to the problem, including issues related to blast, the behavior of buildings and materials, and computer simulations of pre- and post-explosive event building conditions," Krauthammer explained.

Stone bridges rated for soundness

A new rating system, developed by a University engineer, can help to ensure safety in the continued use of masonry arch bridges built in the 19th century.

About 1,000 road bridges built in the 1800s and early 1900s are still in use today in the United States and an additional 2,000 are still in use for rail. These structures are either difficult to rate for capacity or are unrateable with the currently available techniques, said Thomas Boothby, associate professor of architectural engineering.

Using Boothby's system, bridge owners and their consultants can evaluate a stone bridge in the span direction with a level of sophistication, accuracy and speed comparable to the techniques used for steel and concrete bridges. Boothby noted, "Basically, the technique calculates the stresses in the bridge and compares them to the assessed capacity of the materials."

Penn State Erie students initiate treaty research, establish database

Nine political science students at Penn State Erie, with support from Professor John Gamble, have developed a statistical database that includes more than 6,000 multilateral treaties from 1648 to 1995.

Three of those students will have their first professional paper, based on knowledge gleaned from the database, published this fall.

Gamble, professor of political science and international law, started the ball rolling last year, when he completed a review of Christ-

ian Wiktor's *Multilateral Treaty Calendar, 1648-1995*, for the American Journal of International Law. He found the book to be the most comprehensive record ever compiled of multilateral treaties, and it occurred to him that with a lot of effort, it could become a unique research resource. By the fall of 1999 he had a group of students ready to undertake the effort. Not only were they ready to work on the database, they asked Gamble to teach a course on treaties concurrent with their database work.

Political science majors and Penn State Schreyer Scholars Jared Hawk of Kittingen and Teresa Bailey of Belfast, N.Y., headed up the database team, which included nine other students. Hawk said the hardest part of creating the database was developing the framework that would make it searchable.

The students who created the database signed up for shifts and worked every day in a room at the library. The database was complete by the end of the spring 2000 semester, and Bailey spent the summer doing a final

quality check. Erin McCurdy of Erie, another political science major, decided to use the database as part of her work on an independent study course that examined human rights treaties. At Gamble's suggestion she collaborated with Hawk and Bailey, and the result was a paper co-authored by Gamble, Bailey, Hawk and McCurdy titled "Human Rights Treaties: A Suggested Typology, An Historical Perspective," which will be published this fall in the Buffalo Human Rights Law Review.



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Find us on the Web:

<http://www.psu.edu/INTERCOM/>

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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Time for lunch



Participants in the Commission for Women's mentoring program gathered recently for lunch in the Alumni Lounge in Old Main on the University Park campus.

Photo: Annemarie Mountz

Mentoring program seeks applicants for 2001-02

The Commission for Women invites all full-time faculty, staff and technical service employees to apply to participate in its Mentoring Program for the 2001-2002 academic year.

The program promotes professional and personal development by connecting University employees with others who can advise them on work-related issues such as career planning, job skill enhancement and University involvement.

Full-time faculty, staff and technical service employees can apply to be a mentor or protégé, depending on their needs and

goals. Mentors can come from all levels of experience, while protégés do not need to be new to the workforce or the University. Participants will meet their prospective mentor or protégé before establishing a formal relationship. All mentors and protégés will attend a training session at the beginning of the program at which time they will design an individual plan to meet each other's goals.

Mentors and protégés should anticipate committing about 3.5 hours per month to participate in the program, including two hours one-on-one with your partner, and 1.5

hours in group activities such as workshops and brown-bag lunch discussions. The formal mentor-protégé relationship is designed to last for one academic year.

Participants will need to fill out a brief application and submit a one-page cover letter explaining what they hope to get out of the program.

Applications are available in the Commission for Women office, 311 Grange Building, University Park, or on the Web at <http://www.lions.psu.edu/cfw/>.

The deadline for applications is Friday, April 30.

Shaver's Creek Environmental Center turns 25 this year

Shaver's Creek Environmental Center is throwing a birthday party and holding a staff reunion to mark 25 years of outdoor learning.

The staff members at the University's outdoor learning field lab provided outreach services to more than 150,000 people in the last year. Recent expansion of raptor research has extended the Shaver's Creek repertoire of wildlife conservation education, research and service efforts into wild saw-whet owl banding and a golden eagle count. Memberships, one annual fund-raiser called The Birding Cup and charitable contributions are the main sources of funding for all of these activities.

Here are a few of the coming highlights.

■ March 18 and 19: The Maple Harvest Festival features the traditional method of gathering and boiling down sap. Pancakes will be served.

■ March 24: "Meet the Birds of Prey" shows begin this week-

end and continue from 2 to 4 p.m. every Saturday and Sunday until Dec. 2.

■ April 19-22: Special Earth Day events include a media day on from 2 to 4 p.m. Thursday, April 19. Shaver's Creek will have an exhibit at Earth Day on the HUB lawn on Sunday, April 22.

■ Wednesday, July 11, 10 a.m. to 3 p.m.: A 25-Year Birthday Party is the theme for activities at Shaver's Creek's exhibit and shows on Old Main lawn during Children's Day at the Central Pennsylvania Festival of the Arts.

■ Aug. 31-Sept. 3: Several generations of Shaver's Creekers will gather to celebrate their outreach efforts and a legacy of learning during the 25-year staff reunion.

For more information, call the center at (814) 863-2000 or visit the Web site at <http://www.outreach.psu.edu/Shaver'sCreek/>.



Intercom

INFORMING THE PENN STATE COMMUNITY

MARCH 22, 2001

Board of trustees approves room and board rates for 2001-02

BY TYSEN KENDIG
Public Information

The board of trustees approved room and board rates on March 16 for the 2001-2002 academic year. The new rates are effective for the 2001 fall semester at all of the University's residential campuses.

More trustee news.....page 13

Room charges for an undergraduate student living in a standard double room will increase by \$135 per semester, from \$1,205 to \$1,340. The cost for meal plan three, the most common plan of 12 to 13 meals per week, will increase by \$60 per semester,

from \$1,250 to \$1,310.

For the 2001-2002 year, these increases bring the average annual room and board cost to \$5,300, an increase of 7.9 percent or \$390 over the previous year — a large portion of which is needed for the installation of sprinkler systems in all residential units.

"Housing and food service operations at

Penn State are entirely self-supporting, and not subsidized with tax dollars," said Tom Gibson, assistant vice president for auxiliary and business services. "In addition to keeping pace with rising costs, these increases are necessary to support our

Trustees, page 2

Building leaders



James B. Thomas, dean of the School of Information Sciences and Technology, has much about which to smile. The school, in only its second year of existence, already has an impressive list of accomplishments.

Photo: Greg Grieco

Fledgling school already producing industry leaders

BY JULIE A. BRINK
Public Information

When the University's School of Information Sciences and Technology (IST) was still in its formative stages, Penn State asked business and industry leaders what kind of program they wanted to see to help close the technology gap.

"They came back saying, 'don't send us programmers, send us leaders,'" recalled James B. Thomas, dean of IST.

It looks as if the school is well on its way to achieving that goal. Consider this fast-paced progress:

- Enrollment is up by 332 percent from fall 1999, with 1,420 students in degree programs on 19 campuses.

Another 1,100 non-degree students are taking IST classes and more students are enrolled through the World Campus in the Webmaster program. The Webmaster program has been so successful that the school is considering adding a second, more advanced certificate.

Leaders, page 3

Disney appointed as dean of Commonwealth College

Diane M. Disney, deputy assistant secretary of defense for civilian personnel policy, was appointed by the board of trustees to become dean of the University's 12-campus Commonwealth College, effective July 1.

Since 1994, Disney has overseen the development and implementation of policies for managing the Department of Defense workforce of nearly 1 million civil service and other employees. Her areas of responsibility included staffing, training and education, compensation, labor and employee relations, systems modernization and regionalization.

Her international activities include serving as a permanent member of the U.S.-Portugal Bilateral Commission.

Dean, page 2



Diane M. Disney

University elevates MacCarthy to level of vice president

Stephen J. MacCarthy, executive director of University Relations for the past five years, will assume the new title of vice president for University Relations, effective July 1.

The board of trustees approved the title change to more accurately reflect MacCarthy's responsibilities, his relationship with the president and other senior officers of the University, and exemplary service to Penn State.

In this role, MacCarthy will continue to be responsible for internal and external communications of the University, overseeing the departments of public information, publications, marketing, university relations, and development communications and special projects.

Before joining Penn State in February 1996, MacCarthy spent nine years with the California State University System, the last seven of those years in charge of public affairs and university relations for what is the largest university system in the nation.



Stephen J. MacCarthy



25-Year Awards



Richard L. Call



Eugene Confer



Debra J. Shelow



Louis F. Del Duca



John A. Maher



John Gibboney



Donna J. Greendoner



Doris Guanowsky



Sally Hilgar



Jane L. Hosterman

Observing 25 years of service at the University are, top row from left: Richard L. Call, assistant professor of mathematics at Penn State Lehigh Valley; Eugene Confer, audio-visual technician B, and Debra J. Shelow, library assistant II, both in University Libraries; and Louis F. Del Duca, A. Robert Noll professor of law, and John A. Maher, L. Laddie and Linda P. Montague professor of law, both at The Dickinson School of Law of the Pennsylvania State University; second row from left: John Gibboney, operator A satellite copy center in Business Services; Donna J. Greendoner, staff assistant VI in Intercollegiate Athletics; Doris Guanowsky, associate director for ancillary services in Student Services; Sally Hilgar, assistant manager in Housing and Food Services; and Jane L. Hosterman, staff assistant IV in University Libraries; third row from left: Brenda Praskovich, staff assistant VI in the University Office of International Programs; Paul D. Ruskin, communications/public affairs coordinator in the Office of Physical Plant; and Cathy A. Thompson, administrative assistant I in the College of the Liberal Arts. Observing 25 years of service at the University but not pictured are Nancy Crowder, staff assistant VI in the College of Education; Joseph R. Dilkes, military property custodian in the Corporate Controller's Office; Robert B. Frantz, research assistant in the College of Earth and Mineral Sciences; Harvey A. Feldman, associate dean of academic affairs and professor of law, Edward W. Haughey, professor of law, Thomas M. Place, professor of law, and Geoffrey R. Scott, professor of law, all at The Dickinson School of Law of the Pennsylvania State University; Donald R. Ishler, equipment operator, construction, and Donald L. Mulfinger, lead sheetmetal worker A in the Office of Physical Plant; Diana Kenep, director, Morgan Academic Support Center for Student-Athletes in Undergraduate Education; and Nancy M. Stanley, associate librarian, head of acquisition services in University Libraries.



Brenda Praskovich



Paul D. Ruskin



Cathy A. Thompson

Dean

Continued from page 1

sion; chairing committees for the U.S.-Chilean Consultative Commission, the U.S.-Argentina Bilateral Commission, and the U.S.-Brazil Bilateral Commission; providing technical assistance to the defense ministries of Slovenia, Croatia, Chile and Argentina; and heading U.S. delegations negotiating with Germany on tax and employment issues and with Portugal and Korea on labor issues.

Previously, Disney headed the Rhode Island Office of Defense Economic Adjustment, developed and managed the New England Defense Adjustment Project and worked on numerous other defense-related and cultural projects in the region.

She has written widely and given presentations and testimony on world development, human resource manage-

ment and defense issues. She is the author or co-author of numerous articles and books.

For several years, she was director of the Research Center in Business and Economics at the University of Rhode Island, where she was an associate professor of management. Active in economic development, she was a principal researcher for the state's Workforce 2000 Council through URI's Labor Research Center, as well as a member of the Governor's JOBS-R1 Council.

She also had an adjunct appointment to the graduate faculty of the Heller School at Brandeis University, where she coordinated the Ford Foundation's project on employment-related benefits. In addition, she headed the Rhode Island State Council on the Arts and worked as

Rhode Island Associate for the Urban Institute's Nonprofit Sector Project. For many years, she was president of Disney Lightfoot Lee Ltd., a consultant firm in management, human resources and strategic planning.

Disney received her doctorate from Brandeis University in policy analysis, an M.B.A. from the University of Rhode Island, a master's degree in teaching from Duke University, and a bachelor's degree from Stetson University in English, Russian and journalism.

A Fellow of the national Academy of Public Administration, Disney has received numerous honors and awards from associations, universities and her community, including the Medal for Outstanding Public Service from the U.S. Secretary of Defense.

Trustees

Continued from page 1

accelerated program of renovations and safety improvements. Foremost among these improvements is the retrofitting of all residence halls with sprinklers over the next few years, which alone could cost the University more than \$50 million."

"The aggressive plan to install sprinklers in each living unit over the next 10 years is already under way. Infrastructure has been designed for all Commonwealth Campus residence halls and apartments, as well as all of West Halls, Centre Halls, Nittany Apartments, Graduate Circle Apartments and four towers in East Halls on the University Park campus. Sprinkler installation in these locations is expected to be completed within five years, and constitutes more than 50 percent of the approximately 4 million square feet of living space at the University.

"Fire safety continues to be a primary concern, and we are devoting all available resources to this enormous project to ensure a safe learning and living environment for all of our students," added Gibson.

Gibson also said that the University plans to build 1,525 new bed spaces at University Park between now and 2010, although planned renovations in existing buildings during the same time period will result in a net gain of 800 to 900 spaces.

Penn State, with the largest residence hall system in Pennsylvania and one of the largest in the nation, operates 67 residence halls with 16,320 living spaces, and five apartment complexes totaling 1,600 units. Undergraduate residence halls are located at University Park, Altoona, Beaver, Berks, Erie, Harrisburg, Hazleton, McKeesport and Mont Alto, while graduate housing is available at University Park, Erie, Harrisburg and Hershey. Nearly 18,000 students live in University residences at campus locations statewide.

Other housing rate changes specific to various campus living units include:

■ Graduate residence hall rates for a standard double room at University Park with a meal plan will increase by \$140 a semester per person, from \$1,260 to \$1,400, while standard double rooms without a meal plan will increase by \$150 a semester per person, from \$1,395 to \$1,545. On-campus graduate students are not required to purchase a meal plan.

■ Room rates for Nittany Apartments at University Park will increase by \$155 to \$185 per person, for a range of \$1,555 to \$1,920 a semester, depending on the type of apartment selected. Monthly rates for Eastview and Graduate Circle Apartments will increase by \$40 to \$60 for a range of \$415 to \$615 a month per unit, depending on the number of bedrooms and unit selected.

■ At the College of Medicine in Hershey, room rates for University Manor Apartments will increase by \$10 to \$32 per month for a range of \$90 to \$1,344 a month per unit, depending on the number of bedrooms and included furnishings and appliances, effective July 1.

■ At Penn State Erie, apartment rates will increase by \$165 from \$1,475 to \$1,640 per person each semester for four-person garden units.

■ At Penn State Harrisburg, apartment rates will increase by \$165 from \$1,515 to \$1,680 per person each semester for a double room. Family apartment rates at Harrisburg will increase by \$70, from \$610 to \$680 a month per unit.

Leaders

Continued from page 1

■ This spring, the school will see its first full graduating class, 59 students with associate degrees.

■ Groundbreaking is slated for late this summer on the new IST building, which will be a significant architectural presence on campus as well as a figurative and literal bridge between the central campus and the developing west campus. It will be completed by 2003.

■ IST now is recruiting between five and 15 Ph.D. candidates for its doctoral program, which will be launched in the fall. A professional master's program, as well as a conventional master's degree will be offered in fall 2002.

■ IST, in partnership with The Smeal College of Business Administration, launched the eBusiness Research Center in 1999. IST contributes research aimed at information technology's impact on people, policy and the economy while Smeal College explores financial and marketing issues. Between them, it's a complete portfolio of what drives e-business.

It is an impressive list of accomplishments for a school which just opened its doors in August 1999, armed with a mandate to address compelling societal needs in information sciences and technology. IST was developed in partnership with private industries to meet the growing demand for technology jobs as well as to deliver information solutions through its faculty and student research. So far, IST has received more than \$7.2 million in financial gifts from the private sector.

"Our purpose is to build leaders for a world that is dominated by information and information technology," Thomas said. Look around a number of the campuses and you may see some of the IST students wearing T-shirts emblazoned "I am a leader in IST."

Competition is fierce for skilled technology leaders and the employment picture seems like it will be particularly bright for the first class of bachelor's degrees in 2003.

"We've already had three or four companies say that they'll hire all of them," Thomas said, adding that the outlook is excellent for the school's five-year plans. "We are going to surpass the collective expectations probably in the third year."

Students who major in IST follow a broad interdisciplinary course of study.

"An IST graduate can find a home in any organization where information technology is used," Thomas said.

Not only must an IST student understand technology, databases, computer languages and math, but he or she must comprehend how the technology affects people, economy and policy issues.



"We've already had three or four companies say that they'll hire all of them."

Dean James B. Thomas, referring to employment prospects for the school's first class of bachelor's degree recipients, which will graduate in 2003.

"There's a heavy dose of technology but they also have to become comfortable with oral and writing skills," Thomas said.

Foreign languages and world cultures are also part of the curriculum along with an emphasis on teamwork. Students are required to take one internship and encouraged to take as many as three. IST is coordinating its internship program in collaboration with the College of Engineering.

"They've been wonderfully helpful," Thomas said.

To foster teamwork, IST's fledgling leaders have their own Interest House in Beaver Hall, where 53 like-minded students live. The program is popular.

"We're capped only by space and looking to expand," Thomas said.

Female students participate in Women in IST (WIST) which looks at gender issues associated with information sciences, mentors new students and is planning an IST camp this summer for middle schoolers.

Students also have their own online magazine, MIST, which appears once a semester and has a core staff of a dozen. The students are in the process of moving it to a student-run server and overhauling it to make the magazine more interactive, according to editor Bryan Vitale.

Drew Hall, an IST freshman on MIST's design team, is helping take MIST to the next level.

"We do have an 'intro' animation done in Flash preceding the actual text of the page," he said, "I designed that animation, from concept to execution. I also worked with the entire design team in the layout and coding of the pages, including all dynamic content."

He said he chose IST because "because of the level of detail in the courses, and because I felt I could have a positive impact on the school as well, as the school is relatively new and the faculty are very open to changes and additions to the curriculum."

The school is strengthening its research and outreach initiatives through the IST Solutions Institute, which offers education and training solutions online at several campuses. More online courses are being developed over the next three years and Thomas said he hopes all campuses will be able to offer the courses by 2002.

The Institute also administers the Pennsylvania Governor's School for Information Technology, a five-week summer program that enables talented high school seniors to explore information technology.

David Hall, associate dean for research and graduate programs, said the strength of IST lies in its ability to use all the University's resources to integrate information, technology and the user. Research going on at the school is especially broad-based ranging from virtual reality and wearable computers to addressing issues such as information security and retrieval, cognitive modeling, multilingual and cross-cultural information access.

For instance, Lee Giles, holder of the David Reese professorship for the School of Information Sciences and Technology, is working on building search engines that will be intelligent, capable of adapting to the needs of the individual user.

Giles has developed Researchindex.org, which has indexed 300,000 research papers and more than 5 million sites. The product uses artificial intelligence to keep updating its references.

"It's exciting to be in a new school," Giles said. "They're addressing a lot of important issues in where the field is going."

That new school is moving fast to launch its graduate program, which will be interdisciplinary, Hall said. In addition to traditional pursuits such as teaching and academic research, graduates of the doctoral program will be poised to accept government and private industry positions ranging from research to information dissemination and policy making. The professional master's degree program is aimed at professionals from industry and government. Participants will do part of the work on campus and part through Web-based courses.

In addition to seeing the Ph.D. program launched, faculty recruitment is an ongoing issue. Thomas estimates the school needs to recruit five to seven new faculty members a year for courses and research agendas. The school now has 72 faculty members across the Penn State system, 10 of them full time at University Park.

"By the time we move into the new building, I want it to be that whenever you think about information technology and information sciences, you'll think about Penn State," he said.

PROMOTIONS

Technical Service

Samuel F. Condo, toolmaker in Applied Research Laboratory

Ellen L. Dorau, snack bar worker B in Housing and Food Services

Thomas H. Franklin, lead auto mechanic in Office of Physical Plant

Michael D. Jackson, heating and ventilating technician in Office of Physical Plant

David N. McCloskey, machinist A in College of Engineering

James C. Mock, maintenance worker, utility at Penn State Altoona

Dorothy J. Pickens, snack bar worker B in Housing and Food Services

Patricia L. Rihel, snack bar worker B in Housing and Food Services

Jack W. Rohrabough, warehouse worker A in Business Services

Debra L. Rutunda, snack bar worker B in Housing and Food Services

Felicia M. Wallace, snack bar worker B in Housing and Food Services

Robert J. Williamson, dining hall worker A in Housing and Food Services

Staff

Emily J. Anselmi, director of telecommunications in Computer and Information Systems — Telecommunications

Steven R. Arnold, senior research technologist in College of Agricultural Sciences

Karen E. Aschroff, supervising teacher in College of Health and Human Development

Amalia D. Baker, assistant research engineer in Office of the Vice President for Research

Wanda E. Bickle, staff assistant VII in Division of Outreach and Cooperative Extension

Mark W. Bigelow, supervisor, environmental services in Office of Physical Plant

Christine Blatt, staff assistant V at Penn State Altoona

Ginger L. Bloom, staff assistant VII in Office of the Corporate Controller

Russell L. Bloom, manager, music at Penn Woods in College of Arts and Architecture

James I. Burkett, director lodging operations at The Penn State Conference Center Hotel

Yolanda W. Clarke, director, academic advancement programs in Office of the Vice Provost and Dean for Undergraduate Education

Gary W. Collins, production/technical coordinator in University Arts Services

Maryann Conforti, staff assistant VI at Penn State Great Valley

Melissa B. Conrad, staff assistant VI in Office of the Vice President for Research

Gary W. Cramer, information officer in Office of University Relations — Department of Public Information

Jaime L. Crissinger, staff assistant VII in College of Agricultural Sciences

Melanie K. Doebler, senior program developer in the Division of Outreach and Cooperative Extension

Katherine P. Eckinger, staff assistant VII at Penn State Harrisburg

Dory A. Ferguson, senior project associate in College of Engineering

Judy E. Flynn, staff assistant VII in Eberly College of Science

Kelly R. Grant, assistant director of development in Division of Development and Alumni Relations

Jeanne E. Harvey, administrative assistant III in College of Engineering

Pamela A. Hearn, administrative assistant I in College of Agricultural Sciences

Katharine C. Holtman, external relations assistant in College of the Liberal Arts

June Heywood, manager marketing in College of Earth and Mineral Sciences



Lectures

'Once and Again' producer to visit campus

Winnie Holzman, producer of the television series "Once and Again" and creator/co-executive producer of the Emmy-nominated show "My So-Called Life," will visit the College of Communications later this month.

Throughout her weeklong stay, Holzman will visit classes and meet with faculty in the Department of Film/Video and Media Studies.

Holzman will present a screening and discussion of her work at 7:30 p.m.



Winnie Holzman

Wednesday, March 28, in the Carnegie Cinema (113 Carnegie Building) on the University Park campus. The event is free to the public.

Holzman was one of the writers of the series "thirtysomething" and her film credits include the romantic comedy "Til There Was You."

She is currently collaborating with songwriter Stephen Schwartz on a musical adaptation of the novel *Wicked*.

Mankind's links to the stars to be explored

A lecture titled "From Stardust to Dinosaurs to Footprints on the Moon to Stardust Again" will be given at 11 a.m. Saturday, March 24, in 101 Thomas Building on the University Park campus.

Chris Churchill, research associate in astronomy and astrophysics, will be the presenter. His talk is the fourth of six in the Friedman Lecture Series, which focuses on "Origins in Astronomy."

Churchill will explain the cyclic processes of the stars in the galaxies and how they forge the chemical elements that make up

us. He plans to expand on an analogy of humans as a member of a galactic "ecosystem," an oasis driven by the stars.

Churchill has been a faculty member at the University since 1996. He researches the creation of chemical elements throughout the cosmos and the origin and evolution of galaxies. This semester he is teaching an advanced undergraduate-level course on space colonization sponsored by the Space Technology and Society Program.

The lecture is free to the public.

Talk looks at effects of going to school

Christopher Winship, professor and chair of the Department of Sociology at Harvard University, will present a lecture titled "Does Going to School Make You Smarter? The Estimation of Causal Effects with Longitudinal Data" at 7 p.m. Tuesday, March 27, in 101 Thomas Building on the University Park campus.

His lecture is the fifth Clifford C. Clogg Memorial Lecture in Sociology and Statistics.

The series honors the late Clifford C. Clogg, a distinguished professor of sociology and professor of statistics from 1979 to 1995.

Winship has been a faculty member at Harvard since 1992. His research focuses on several topics, among them statistical methods for causal analysis, the effects of education on mental ability and causes of the racial difference in performance in elite colleges and universities.

Science, Medicine, Technology lectures begin

A number of lecturers will make presentations as part of the Science, Medicine and Technology in Culture 2001 lecture series on the University Park campus.

On Friday, March 23, Mary Terrall, assistant professor of history at UCLA, will talk about "Speculation and Experiment in 18th-Century Theories of Generation" at 4 p.m. in 124 Sparks Building.

On Thursday, March 29, Norton Wise, professor of history at UCLA, will talk about "Expressive Curves: Art and Science in Helmholtz's Berlin" at 8 p.m. 101 Osmond.

On Friday, April 20, David Hollinger,

professor of history at University of California at Berkeley, will talk about "The Veblen Thesis Reconsidered: Why are Jews so Prominent in Science and Scholarship?" at 4 p.m. in 113 Carnegie.

On Thursday, April 26, Peter Galison, Mallinckrodt professor of the history of science and physics at Harvard University, will talk about "Einstein's Clocks: High Theory and Lowly Technology" at 8 p.m. in 101 Osmond.

For information, e-mail Sarah Goodfellow at sxg205@psu.edu or Elizabeth Mazlow at eaml91@psu.edu.

Building on the University Park campus.

Park is a master of science candidate in agronomy. The Agronomy Department is the host for the event. For information, call (814) 863-1601.

Graduate student will give agronomy lecture

Bradley Park will lecture on "The Use of Basamid (Dazomet) Soil Fumigant for Pox Annuia Control in Turfgrass Establishment" from 3:35 to 4:25 p.m. March 23 in 101 Agricultural Sciences and Industries

Lecture series focuses on state issues

High-speed rail, prescription drug costs and farmland preservation will be the topics of discussion for a noontime lecture series beginning March 29 at the Penn State Downtown Center at 234 N. Third St., Harrisburg.

The series, sponsored by the Pennsylvania State Data Center, is free to the public.

The first lecture, "High-Speed Rail in Pennsylvania," by Jeremy Plant, professor of public administration and public policy at Penn State Harrisburg, will provide an overview of the national and international aspects of high-speed rail, including the Maglev system.

On May 10, J. Marvin Bentley, professor of public affairs at Penn State Harrisburg, will discuss "Prescription Drug Costs and the Elderly" focusing on health-care legislation currently being proposed by

Congress and its effects on prescription drug costs for Medicare beneficiaries.

The concluding installment in the series on May 17 is titled "Preserving Pennsylvania's Farm Land: Where Did All the Farm Land Go?" Leading the discussion will be Christine Kellett, director of the Agricultural Law Center of the Dickinson School of Law, Kellett, a member of Gov. Tom Ridge's Sound Land Use Advisory Committee, will discuss the effectiveness of various techniques to preserve farmland and will address topics such as agricultural zoning, security areas, conservation easements and tax policy.

While registration is not required, attendees are asked to call (717) 948-6677 or e-mail PaSDC-Reserve@psu.edu with a registration request, so that adequate seating can be ensured.

Lecture focuses on corporate integrity

An international leader in ethics will be the guest speaker during The Smel College of Business Administration's upcoming G. Albert Shoemaker Program in Business Ethics.

Frank Vogl, president of Vogl Communications Inc., a Washington D.C.-based, strategic-management consulting firm, is the guest speaker. He will discuss "Corporate Integrity And Globalization: What Are The Standards And Who Sets The Standards, For Global Corporate Citizenship?" at 4:30 p.m. Friday, March 23, in 112 Kern

Graduate Building on the University Park campus.

Vogl is co-founder and vice chairman of Transparency International, a global anti-corruption organization, and he is a member of the board of directors and senior ethics adviser to the Ethics Resource Center of Washington D.C.

The G. Albert Shoemaker Program In Business Ethics was established in 1985 through a \$100,000 gift from the late G. Albert Shoemaker and his wife Mercedes.

The event is free to the public.

Symposium focuses on daguerreotypes

"History Past, History Present: The Daguerreotype Portrait in America" is the theme for a symposium March 23-24 at the Palmer Ligon Auditorium on the University Park campus.

Matthew Isenberg, historian and collector, will speak on "Collecting, Researching and Sharing the Daguerreian Experience: Too Little Time, Too Much Material" from 5:45 to 6:45 p.m. Friday, March 23.

The following events will be on Saturday, March 24:

■ Brooks Johnson, curator of photography at the Chrysler Museum, will speak on "Julius Vannerson: From the Daguerreotype to the Paper Print" at 10 a.m.

■ Jerry Spagnoli, contemporary daguerreotypist, will discuss "The World

Suspended in Light: Some Thoughts on the Daguerreotype" at 11 a.m.;

■ Alan Trachtenberg, Neil Gray Jr. professor of English and American studies at Yale University, will talk about "Mute Romance: Montgomery Simons' Southern Connection" at 1:30 p.m.;

■ Brent Wilson, professor of art education at Penn State, will discuss "Exhibiting Daguerreotypes: Portraying the Future" at 2:30 p.m.; and

■ A panel discussion from 3:30-4:30 p.m. will be moderated by Glenn Williamson, curator, Palmer Museum of Art.

To register, call (814) 865-7672 or e-mail Dana Klarich Klechka at dk10@psu.edu. The symposium is free, however space is limited to the first 150 respondents.

Designer of world's tallest building to speak

Charles H. Thornton will be the speaker for the ninth annual Thomas C. Kavanagh Memorial Structural Engineering Lecture at 7:30 p.m. April 5 at the Applied Research Laboratory Auditorium on the University Park campus.

Thornton is chairman of the architectural and engineering firm Thornton-Tomasetti Group Inc. In his 39 years with the corporation, he has worked on numerous landmarks including the 95-story Petronas

Twin Towers in Kuala Lumpur, Malaysia, which is the world's tallest building.

Thornton's lecture will focus on the history of high-risk construction, specifics on the design of the Petronas Twin Towers and industry trends.

Thornton is currently a visiting faculty member at Princeton University and Manhattan College and has taught at the Pratt Institute and Cooper Union.

The event is free to the public.



News in Brief

Nominations sought

The Commission on Racial/Ethnic Diversity seeks nominations and applications for positions effective July 1.

Membership includes administrators, faculty, staff, technical-service employees and undergraduate and graduate students. Full members are appointed by the president to serve four-year terms, or in the case of students, until graduation. Associate members serve one-year renewable terms.

The commission was established in 1989 to serve as a University-wide advisory body to the president on matters relating to racial and ethnic diversity. It seeks a broad base of nominations from all racial and ethnic backgrounds. Self-nominations are welcome.

Information and a nomination form may be obtained by calling the commission office at (814) 863-7889 or by visiting the commission's Web page at <http://www.psu.edu/dept/cored/membership/nominate.html>. Forms must be returned to the commission office in 311 Grange Building no later than March 30.

Eberly open house

Administrators, faculty and staff from the Eberly College of Science will hold its annual open house for prospective students and their parents on Saturday, March 31, on the University Park campus.

Activities are scheduled from 8:30 a.m. to 2 p.m., with small-group information sessions and tours featured in the following departments: astronomy and astrophysics, biochemistry and molecular biology, biology, chemistry, mathematics, physics and statistics.

For information, call (814) 863-8467.

Fair planned

"Roar for Wellness," an interactive wellness fair, will take place from 11 a.m. to 2 p.m. April 4 in the HUB Ballroom/Alumni Lounge on the University Park campus.

The event, sponsored by the Kinesiology Club, is the final project for Programming for Business and Business Kinesiology class.

The wellness fair will provide information, screenings, and demonstrations. Some of the interactive booths include chair massage, fitness testing, cardiopulmonary resuscitation demonstrations, magnetic therapies, stress reduction, minority health issues, alcohol-free activities and yoga.

Children's Day

Children's Day will be held from 10 a.m.



The Eberly School of Science will hold its annual open house for prospective students and their parent on Saturday, March 31. Here, Richard Cyr, professor of biology talks to a group of prospective students who toured the college last year.

to 2 p.m. April 7 at the Matson Museum of Anthropology on the University Park campus.

Events will take place on the second floor of Carpenter Building.

Children between the ages of 4 and 12 will enjoy a day of digging for artifacts, reconstructing pottery, building skeletons, painting in an ancient cave, making ethnic crafts, learning stories from diverse cultures and more.

Cost is \$3 per child with advance registration or \$4 at the door. Children must be accompanied by an adult and be prepared to get dirty.

For information, call (814) 865-3853. To make a reservation, call (814) 865-2509.

Summer at Shaver's Creek

Shaver's Creek Environmental Center announces its schedule of festival appearances, camps and special events for the spring and summer season.

Visitor's Center: Beginning in April, "summer hours" will be 10 a.m. to 5 p.m. Mondays, Tuesdays, Thursdays, Fridays and Saturdays, 10 a.m. to 8 p.m. Wednesdays and 1 to 8 p.m. Sundays. From Oct. 2 to March 31, the hours are 10 a.m. to 5 p.m. Monday through Saturday and 1 to 5 p.m. Sunday.

Egg-hunting program: Shaver's Creek will hold the Whose Egg Is It? program

from 10-11 a.m. or 1-2 p.m. Saturday, April 14. Children age 3 to 10 will search for hand-painted eggs camouflaged to resemble birds' eggs and then learn all about them. Preregistration is required. The event costs \$3.50 per child; adult companions are free.

Festival appearances: The Outdoor Heritage Festival will be held May 3 and 4 in Huntingdon. Shaver's Creek representatives also will attend Children's Day on July 11 at the Central Pennsylvania Festival of the Arts, State College.

For information, call (814) 863-2000 or (814) 667-3424, e-mail Shaver'sCreek@outreach.psu.edu or visit the Web site at <http://www.outreach.psu.edu/Shaver'sCreek/>.

WISE Week scheduled

The Women in the Sciences and Engineering (WISE) Week Summer Program, a one-week residential science and engineering career exploration program for 11th-graders, will take place June 17-23 on the University Park campus.

The program, now in its seventh year, is designed for young women with an aptitude in science and math who would like to learn about careers in science, health and engineering. There will be 10 hands-on workshops and a weeklong science or engineering design project. Up to 48 stu-

dents can be selected to attend.

The application deadline is Monday, April 2.

For information or to receive a brochure and application for WISE Week, call (814) 865-3342 or e-mail csgr@psu.edu. An application form also can be found on the Web at <http://www.psu.edu/dept/wise/>.

MMY yearbook available

The Mental Measurements Yearbook (MMY) is now available in the FastTrack database on LIAS at <http://www.lias.psu.edu/>.

MMY contains reviews of more than 2,000 standardized English-language tests — such as personality, aptitude and achievement tests. The online resource is a collection of the text from the 10th through the 14th printed editions. MMY, which is only available to people with Penn State access IDs, is updated every six months.

Advisers handbook available

The second edition of *The Penn State Adviser*, a handbook for advisers and advisees, was recently published by the Division of Undergraduate Studies.

The new publication was written by Joyce B. Buck, undergraduate studies programs coordinator, College of Arts and Architecture; John W. Moore, associate professor of English and comparative literature; Marion Schwartz, undergraduate studies programs coordinator, colleges of Communications and Education; and Stan Supon, senior undergraduate studies programs coordinator and administrative director, undergraduate programs, School of Information Sciences and Technology.

Copies are available to Penn State advisers at no charge. Send requests to Joyce Buck, 116 Arts Building University Park, Pa. 16802.

Office relocates

The College of Arts and Architecture Advancement Office, which includes alumni relations, communications and development, has relocated to the Credit Union Building on the University Park campus.

Mail for staff in this office should be addressed to "Credit Union Building."

Phone numbers remain the same: alumni relations, (814) 863-0621; communications, (814) 863-2104; and development, (814) 863-2142. The fax number for the office is now (814) 863-5526.

COURSES

Health Matters

To register for or learn more about these Health Matters programs on the University Park campus, call (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters.cfm>.

■ **Road Rage** — (WEL 234)

Learn the trends in traffic violations in the area, as well as

the state. Meets 11:30 a.m. to 12:30 p.m. Tuesday March 27, in 110 Henderson (The Living Center). Cost: free.

■ **Weight Loss Facts and Myths** — (WEL 236)

Hear information about weight loss from noon to 1 p.m. Wednesday March 28, in 125 Reber Building. Cost: \$5, which is reimbursable for faculty and staff enrolled in the Health America HMO.

BOOK SHELF

Jerry Hoeg, associate professor of Spanish at Penn State Fayette.

Science, Technology and Latin American Narrative in the 20th Century and Beyond, published by Lehigh University Press.

The book examines the ways in which scientists and technology are depicted in Latin American narrative, including novels, film and digital media.



Arts & Entertainment

String Orchestra Festival

String Orchestra Festival 2001 will be held Saturday and Sunday, March 24 and 25, in the School of Music on the University Park campus.

The two-day intercollegiate event will include master classes, workshops, rehearsals and performances culminating with a Festival Orchestra concert at 3 p.m. Sunday, March 25, in the Esber Recital Hall, Music Building I. The performance is free to the public.

Viola ensemble recital

The Penn State Viola Studio will present a recital at 5 p.m. Saturday, March 24, in the Esber Recital Hall, Music Building I, on the University Park campus. Solo performances will be by Peter Lelox, graduate teaching assistant, and Tim Deighton, assistant professor of music. Faculty members Gerardo Edelstein, Kim Cook and Rob Nairn also will be featured. The performance is part of the String Orchestra Festival 2001. The concert is free to the public.

Bach's Lunch

The University Choir, directed by Tony Leach, assistant professor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, March 29, in the Esber Recital Hall, Music Building I, on the University Park campus. After the concert, audience members may take their bag lunches to the Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Digital photography exhibit

"The Digital Photography Studio, Student Photographs," contemporary images created through digital technology, is on display through May 20 in the Candace and Patrick E. Malloy III Diversity Studies Room, 109 Pattee Library on the University Park campus.

The photos are from classes taught by Gerald Lang, professor of art in the College of Arts and Architecture and director of the Digital Photography Studio at Penn State. The exhibit presents the current evolution of photo technology and complements the historical exhibit, "History Past, History Present: The Daguerreotype Portrait in America," which is on display through May 20, in the Special Exhibitions Gallery II of the Palmer Museum of Art.

For information about the exhibit, call (814) 865-0401.

PENN STATERS

Andrew Bergstein, instructor in marketing in The Smell College of Business Administration, has been appointed to his third term as a member of the Trade Policy Advisory Committee in Washington, D.C. The group is a bipartisan committee of business executives and consultants that advises the federal government.



Guitar legend Eric "Slowhand" Clapton will perform at 7:30 p.m. May 30 at The Bryce Jordan Center on the University Park campus. Call (800) 863-3336 or (814) 865-5555 for ticket information.

Gospel musician takes his show to PSU

Grammy-Award-winning gospel singer Bill Gaither will appear at 7 p.m. Friday, June 8, at The Bryce Jordan Center on the University Park campus.

Also scheduled to appear are the Gaither Vocal Band, Mark Lowry, The Happy Goodmans, Jake Hess, Russ Taff, Talley Trio, The Easters, Jessy Dixon, Bob Cain, Anthony Burger, Janet Paschal, Ben Speer, Old Friends Quartet, George Younce, Kevin Williams, Aaron Wilburn, Sara DeLane, Mike Allen and Lynda Randle.

Tickets are \$26.50 and \$18.50 for

BRYCE JORDAN CENTER

reserved seating. Tickets for children ages 2-12, senior citizens and groups of 20 or more will be \$15.50. Infants younger than 2 years old are free.

Tickets can be purchased at The Bryce Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by calling (814) 865-5555 or (800) 863-3336, or online at <http://www.bjc.psu.edu/>.

OBITUARIES

Theodore L. Imbert, bookstore manager at Penn State Harrisburg, from Aug. 1, 1970, until his retirement Aug. 1, 1989; died Feb. 1, at the age of 76.

Mildred P. Izzo, secretary at Penn State Beaver, from July 19, 1965, until her retirement April 1, 1991; died Feb. 2. She was 71.

PARTINGS

Founding chair steps down, but will continue teaching

Elliot S. Vesell stepped down earlier this year as founding chair of the Department of Pharmacology in the College of Medicine at The Milton S. Eshelman Medical Center after 32 years as an investigator, educator and leader in the discipline of pharmacology.

He is currently at the College of Medicine full time as Evan Pugh professor of pharmacology, teaching and pursuing scholarly interests.

In 1968, the late founding dean, George T. Harrell, recruited Vesell as founding chair of pharmacology from the National Institutes of Health where he was section head of pharmacogenetics in the National Heart and Lung Institute.

He has served the College of Medicine on a number of key committees, including 25 years first as chair and then as vice chair of the Human Subject Protection Committee. He also served as the college's first assistant dean of graduate education, a position he held from 1973 to 1995.

In recognition of his scholarship and research, Vesell has received numerous national awards.

Director helped charitable contributions grow

George Moellenbrock, director of Corporate and Foundation Relations, has retired from the University after 34 years.

He began his University career in 1967 as an assistant director for the Annual Fund, where he helped institute Lion Line. During his three decades of service, Moellenbrock saw the annual charitable contributions to the University grow from \$5 million to \$171 million. The Office of Corporate and Foundation Relations, under Moellenbrock's supervision, was responsible for raising more than \$6 million.

During a recent retirement celebration, Moellenbrock was presented with several retirement gifts.

Richard J. Kerns, senior research aide in the College of Agricultural Sciences, from Jan. 1, 1946, until his retirement Feb. 1, 1985; died Jan. 26, at the age of 78.

Anna Carolyn Miller, associate librarian at Penn State Harrisburg, from Sept. 1, 1969, until her retirement July 1, 1993; died Feb. 7. She was 70.

University Awards 2001

INTERCOM SPECIAL SECTION

The Faculty/Staff Recognition Awards Program luncheon will be held at noon March 26 in The Nittany Lion Inn, University Park. The Student Awards Recognition Program begins at 1:30 p.m. April 29 at The Penn State Conference Center Hotel, University Park.

Volume 8, Number 1

March 22, 2001

Four chosen for George W. Atherton Award

Four faculty members will receive the 2001 George W. Atherton Award for Excellence in Teaching. They are: Richard M. Doyle, associate professor of English, University Park; Nigel D. Higson, distinguished professor of mathematics, University Park; Arnold A. Markley IV, assistant professor of English, Penn State Delaware County; and John M. Simpson, associate professor of chemistry, Penn State Beaver.

The award, named after Penn State's seventh president, was established in 1989 as a continuation of the AMOCO Foundation Award. It honors excellence in teaching at the undergraduate level.

Doyle, a specialist in the rhetoric and literature of science, is honored for his passion for his subject and enthusiasm for helping students learn. He is described by students and colleagues alike as an instructor who encourages creativity, and is continually concerned with the welfare, academically or otherwise, of his students.

Since arriving at Penn State in 1994, Doyle has played an important role in the reconstitution of the curriculum in the Department of English, especially in the range of courses taught with a basis in rhetoric. He received his master's degree in 1989 and doctorate in 1993 in rhetoric, both from the University of California, Berkeley, and his bachelor's degree in



Richard M. Doyle



Nigel D. Higson



Arnold A. Markley IV



John M. Simpson

1986 in English and philosophy from Georgetown University.

Higson, a member of the Department of Mathematics since 1989, has combined a career as an outstanding research mathematician with that of educator. Higson is recognized as an excellent teacher, heavily involved in the development of courses and the preparation of materials — including Web sites, to assist and guide students. He is known for his ability to think on his feet and his use of analogies and examples, which reflect his engaging sense of humor.

He received his bachelor's degree in

The award, named after Penn State's seventh president, honors excellence in teaching.

1982, his master's degree in 1983 and his doctorate in 1986 in mathematics, all from Dalhousie University.

Markley is honored for his ability to create a learning environment where participation is non-threatening — where daring to experiment, to think, to question and to express tentative thoughts are encouraged. Colleagues describe him as a model professor who is able to use his expertise to illuminate the

classroom, and create an exciting learning experience for students. Students admire his ability to draw them out in discussions and for his support, in and out of the

classroom.

Markley, who came to Penn State in 1996, says his greatest responsibility as a teacher is to awaken students to the excitement of learning and make each period or body of literature he teaches come alive to them.

He received a bachelor's degree in 1986 in English and Classics from Guilford College, his master's degree in 1990 and his doctorate in 1996 in English, both from the University of North Carolina at Chapel Hill.

Since joining the Penn State Beaver faculty in 1970, Simpson has been dedicated to the success of his students. Described by colleagues and students as personable, open, interactive as well as challenging, he has the ability to explain chemistry without intimidating students and is considered an example of honor, determination and integrity. Simpson has a commitment to teaching well and being a leader in his field, and he encourages his colleagues to do the same. He emphasizes the importance of undergraduate research and mentors two to three students per semester in honors options or research projects.

Simpson received his bachelor's degree in 1966 in chemistry from the University of Rhode Island and his doctorate in 1971 in organic chemistry from Penn State.

Four earn Faculty Scholar Medals for outstanding research

Four faculty members will receive 2000-2001 Faculty Scholar Medals for Outstanding Achievement.

Sarah M. Assmann, professor of biology, and W. Lawrence Kenney Jr., professor of physiology and kinesiology, each will receive the Life and Health Sciences Medal. Xumu Zhang, associate professor of organic chemistry, will receive the Physical Science Medal; and Glenn A. Firebaugh, professor of sociology and demography, will receive the Social and Behavioral Sciences Medal.

Established in 1980, the award recognizes scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme. A committee of faculty peers reviews nominations and selects candidates.



Sarah M. Assmann

Assmann will receive the award for identifying and determining the functions of important proteins involved in controlling microscopic openings in plant leaves. This discovery may have application to producing more drought-tolerant crop plants.

A world leader in the field of plant cell signal transduction, she studies how plants receive and respond to stimuli from the environment. In particular, she studies how plants open and close the microscopic pores. This regulation is vital to photosynthesis and to the exchange of gases with the environment.

Kenney is recognized for discovering that, among other possible causes, the aging heart, coupled with a reduced ability to distribute blood flow to the skin, causes



W. Lawrence Kenney Jr.

heart-related deaths in older people. His research has defined the mechanisms that decrease thermal tolerance with aging and has led to recommendations for the elderly that have likely saved lives and improved quality of life.

His research focuses on thermoregulation of the human body, specifically in the elderly and the biophysics of heat exchange, especially during exercise.

Zhang will receive his award for his work in the highly competitive field of organic chemistry involving catalytic asymmetric synthesis. His work focuses on the use of catalysts for preferentially synthesizing active substances, such as pharmaceuticals. He has been the recipient of several prestigious national awards, and was named the John Simon Guggen-



Xumu Zhang

heim Foundation Fellow for 2000-2001.

Firebaugh is recognized for his development and application of quantitative methodologies that are often considered "dispute ending." His studies of societal

change in voting, fertility and church attendance helped to establish better understanding of which portions of change are best understood as change within individuals and which as change across generations. His 1997 book, *Analyzing Repeated Surveys*, has become a standard reference in this field.

His current work focuses on modeling historical trends in worldwide income inequality. His work helps us to understand how income shifts occur between nations and how these shifts affect global well-being.



Glenn A. Firebaugh

W. LAMARR KOPP INTERNATIONAL ACHIEVEMENT AWARDS

Robillard gets Kopp faculty achievement award

Paul D. Robillard, associate professor of agricultural and biological engineering, has been chosen to receive the W. LaMarr Kopp Faculty International Achievement Award. The award acknowledges faculty members who have made a noteworthy contribution to the University's international mission.



Paul D. Robillard

Robillard is well known for his research in the design of water quality monitoring networks, knowledge-based systems in water quality control processes and international water resources engineering applications. As a Fulbright Scholar in 1995-96, he worked with Ecuadorian engineers and scientists to develop water quality monitoring networks for some of the world's most important ecological reserves and "hot spots" for biodiversity.

As a result of his work, Robillard has established linkages between Penn State and several universities as well as international conservation foundations, includ-

ing the Polytechnic University and the University of San Francisco (Ecuador), Boston University, the Center for Tropical Agriculture in Colombia, the European-Latin American Research Institute (Chile), the International Conservation Data Center, the Agency for International Development and the International Center for Water Engineering (Canada).

Fluent in Spanish, Robillard served as civil engineer designing community water supply systems during his stint in the Peace Corps. He also was an engineering adviser during the UN Water Decade (1980-90). In concert with Penn State's World Campus and the Inter-American Distance Education Consortium, he is currently directing a project to craft online courses in English and Spanish for undergraduates at North and South American universities who are interested in biodiversity and science education as they relate to water resources.

King to receive Barash Award for Human Service

Ermyn F. King, project associate in the Office of the Dean of the College of Agricultural Sciences, is the 2001 recipient of the Barash Award for Human Service.



Ermyn F. King

The award, created in 1975 by the family of the late Sy Barash, recognizes a full-time member of the faculty, staff or student body at University Park who has contributed most, apart from assigned duties, to human causes or public service activities in the Center Region or the University Park campus. Barash, a Penn State graduate, was a State College businessman who was committed to humanitarian causes on and off campus.

King is honored for her leadership in the creation and delivery of innovative arts education outreach programs for diverse audiences in a variety of university and community settings. The first notable project is "View Via Headphones," an audio description service offering live verbal description of the visual elements of University and local cultural events free of charge to all area residents with sight loss. King wears many hats as co-founder, co-director, grant writer, audio describer and art tour leader, working in collaboration with The Sight-Loss Support Group of Central Pennsylvania and other University and community partners. In its inaugural year, the service offered audio description to 346 users for 45 cultural events.

The "View Via Headphones" service

has been honored through the Pennsylvania Council on the Arts' "Keystones of Accessibility" program. Named Volunteer of the Year in 2000 by The Sight-Loss Support Group, King has made presentations on accessible arts for museums, schools, arts educators and national arts organizations.

A second major project is The CARESS ("Creative Arts Rejuvenating and Empowering Survivors and Soul Friends") arts and healing program. King designed and served as an arts facilitator and artistic director for the program, which brought together breast cancer patients/survivors and caregivers in an arts immersion weekend supported through the Northern Appalachia Leadership Initiative on Cancer (NALIC) and Penn State Outreach And Cooperative Extension.

Herself a recent breast cancer patient, King helped to coordinate a six-month reunion of CARESS participants, and has presented the CARESS model of arts in healing at The Hershey Medical Center and to national organizations.

King, who joined the University in 1995, graduated as College of Education marshal with a bachelor's degree in elementary and kindergarten education from Penn State and earned a master's degree in speech and dramatic arts—drama for the young from Eastern Michigan University.

Gage receives Kopp staff achievement award

H. Mary Gage, director of the Undergraduate Fellowships Office, is the recipient of the W. LaMarr Kopp Staff International Achievement Award. This award honors staff members who have contributed significantly to the University's mission of helping the international community.

Under her direct tutelage, 157 students have won international competitions for prestigious fellowships, including the Mitchell, Marshall, Fulbright, Javits, National Security Education Program and Rhodes scholarships. Under her tenure, the University's placement record



H. Mary Gage

in this respect compared favorably to other large public universities, even those with far larger fellowship offices.

A graduate of Cambridge University in England, Gage came to Penn State in 1987 as an associate professor teaching playwrighting, screenwriting and feature journalism at the undergraduate and graduate levels. Before becoming director of the Undergraduate Fellowships Office, she was University Fulbright Program adviser and academic officer for the Education Abroad Programs.

Thornton honored with Staff Excellence Award

The 2001 Staff Excellence Award will be presented to Patricia T. Thornton, administrative assistant in the office of the Vice President for Outreach and Cooperative Extension.

The award is given each year to a member of the University staff who has demonstrated and practiced the philosophy of Continuous Quality Improvement, team spirit and managerial excellence, and who has provided leadership in establishing a quality service orientation in the performance of assigned duties.

Hailed as a motivator, a counselor and a team leader, Thornton also is described as an effective project manager, supervisor and problem-solver. Among her many contributions to Outreach and Cooperative Extension, she sponsored a major continuous



Patricia T. Thornton

quality improvement initiative for staff assistants in the organization that resulted in streamlined office processes, increased efficiencies and enhanced communication in the central office.

Thornton has managed the day-to-day operations and supervised the staff of the Office of the Vice President since 1991. She is a liaison for the vice president with internal outreach lead-

ership, plans and organizes special events and is a member of the vice president's central policy group and the Outreach and Cooperative Extension Director's Council.

Thornton also has been executive secretary to the dean and secretary to the assistant to the dean of the Smeal College of Business Administration. She joined the University in 1982.

Zarit recognized for academic excellence

Steven H. Zarit, professor of human development and assistant director of the Gerontology Center, has been honored with the 2001 President's Award for Excellence in Academic Integration. The award, established in 1996, is given to a full-time member of the faculty who has exhibited extraordinary achievement in the integration of the University's three-pronged mission of teaching, research or creative accomplishments, and service.

Holder of a doctorate in human development from the University of Chicago, Zarit has been a member of the human development faculty since 1986. During his tenure, he has served in various administrative positions within the Gerontology Center and the Department of



Steven H. Zarit

Human Development and Family Studies. He has published five books and numerous articles focusing on mental health and aging as well as family care of disabled elders.

Zarit's internationally recognized scholarship in behavioral science and gerontology has transcended the classroom into the community.

His leadership in recognizing the needs of families of Alzheimer's disease patients has led to appointments to the board of directors and to the medical and scientific advisory council of the Alzheimer's Association. He shares what he learns in his research, clinical practice and outreach with students, who are active participants in his work and learn from his expertise as a scholar and contributor to society.

Graduate faculty teaching award goes to Gray, Katok

Barbara L. Gray, professor of organizational behavior and director of the Center for Research in Conflict and Negotiation in The Smell College of Business Administration, and Anatole Katok, Raymond N. Shibley professor of mathematics in the Eberly College of Science, are the recipients of the Graduate Faculty Teaching Award. The award honors tenured faculty members who have excelled both in teaching at the graduate level and in supervising thesis work of graduate students.

As a teacher of graduate courses, Gray stresses three core components: self-reflection, perspective-taking and devel-



Barbara L. Gray

The Graduate Faculty Teaching Award honors tenured faculty members who have excelled both in teaching at the graduate level and in supervising thesis work of graduate students.

oping competencies. She has designed all the courses that she now teaches, among them a required doctoral seminar in qualitative research methods. Welcoming doctoral students as partners in learning, she has published 21 articles with current or former doctoral students and has 11 more in preparation or under review.

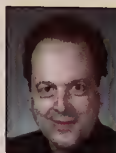
With MBA students, her academic specialties are teaching teamwork and team leadership skills, negotiation and conflict management strategies and management of diversity. Former stu-

dents praise her knowledge, enthusiasm, willingness to listen and ability to teach those skills necessary to deal successfully not only with the intricacies of the business world but with life as a whole.

Katok, who joined the University in 1990, has been adviser to nine successful doctoral candidates, six of whom hold academic appointments, and is currently advising four more. Among the doctoral candidates whom he advised before coming to Penn State are well-known mathematicians holding full pro-

fessorships at the universities of Michigan and Maryland, Penn State and Moscow State University.

Katok played a key role in organizing the University's Mathematical Advanced Study



Anatole Katok

Semester program, which assembles undergraduate math majors from all over the country for a one-semester special lecture series. Many of these students have gone on to excellent graduate schools.

In collaboration with Tufts University professor Boris Hasselblatt, a former student, Katok wrote the monograph, "Introduction to the Modern Theory of Dynamical Systems," which has seen five reprints in less than five years.

Bise, Krimmel receive Excellence in Advising Awards

The 2001 Excellence in Advising Awards will be presented to Christopher J. Bise and Sharon W. Krimmel.

The award acknowledges excellence in advising, academic and career guidance and assistance to students in decision-making and goal setting.

Centennial professor of mining engineering, Bise began his career at Penn State as a research assistant 27 years ago. In addition to his responsibilities as professor in charge of the Mining Engineering and Industrial Health and Safety programs, Bise is an adviser for the Schreyer Honors College and adviser to the Penn State Mining Society.

Bise's five-point approach to undergraduate advising follows these rules: be accessible, be knowledgeable of academic policies and issues, encourage students to be professionals-in-training, maintain close ties with your field and never forget what it felt like to be an undergraduate with an unsolved problem.

Students praise his personal involve-

ment, recognizing him for the time he spends outside of the classroom to help their development, and respecting him for his knowledge and experience in his field, which they find invaluable when discussing career opportunities.

Bise says he has always considered his responsibilities for advising to be as important, if not more important, than his teaching responsibilities.

Krimmel, an instructor and adviser in the College of Health and Human Development for 14 years and coordinator of the Kinesiology Advising Center, is ultimately responsible for advising about 1,000 students.

The award acknowledges excellence in advising, academic and career guidance and assistance to students in decision-making and goal setting.



Christopher J. Bise



Sharon W. Krimmel

Krimmel credits technology for helping her to do her job more efficiently, yet still maintain a personal touch. She says the emergence of e-mail and the Internet has made communication and information sharing simple, but that the face-to-face contact she has with students is irreplaceable.

Her colleagues admire her advocacy for undergraduate students and her creative contributions to the college's undergraduate advising center. Students and parents value her patience, involvement and willingness to go that extra mile.

Opall to receive James Robinson Equal Opportunity Award from PSU

Christopher A. Opall, Media and Technology Support Services building technician in University Libraries, is the 2001 recipient of the James Robinson Equal Opportunity Award. The award recognizes a faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding.

Opall is honored for his commitment to a diverse work environment for his staff of student employees at Willard Building on the University Park campus, a general classroom building with hundreds of classes daily. Since 1998, he has supervised more than 20 wage-payroll employees including many African-American, Hispanic-American, Asian-Pacific-American, white American and international students, all of whom operate multimedia technology equipment and provide services to the classes.

Opall joined Penn State in 1984 and has been at MTSS since 1992, becoming a building technician in 1998. He earned a bachelor's degree in film and video in 1992 from the College of Communications.



Christopher A. Opall

Graduate assistants win Outstanding Teaching Awards

The University has honored 10 students with Graduate Assistant Outstanding Teaching Awards.

The 2001 winners are: Prasad Balkundi, management and organization; Peter R. Costello, philosophy; Jonathan U. Dougherty, architectural engineering; Jhan D. Dougherty, counselor education; Heather J. McConnell, physiology; John D. (Jack) Richardson, art education; Linda B. Smolka, mathematics; Leah A. Waiser, landscape architecture; Beth Widmaier, English; and Jill M. Wood, biobehavioral health and women's studies.

The award, jointly sponsored by the Graduate School and the Office of the Vice Provost and Dean for Undergraduate Education, recognizes graduate student teaching assistants for superior instruction in the areas of physical science and engineering, life sciences, social and behavioral sciences, and the arts and humanities. The awardees receive \$500 and a framed certificate.

The selection committee judges nominees on several criteria, including effectiveness of their presentations, use of clear and fair evaluation procedures,

The award recognizes graduate student teaching assistants for superior instruction in the areas of physical science and engineering, life sciences, social and behavioral sciences, and the arts and humanities.

accessibility to their students, and sensitivity to individual differences in the classroom.

Pawelczyk receives President's Award for Engagement

James A. Pawelczyk, assistant professor of physiology and kinesiology in the College of Health and Human Development's Noll Physiological Research Center (NPRC), is the 2001 recipient of the President's Award for Engagement with Students.

The award is given to a full-time member of the faculty who has exhibited extraordinary achievement in the integration of teaching, research or creative accomplishment, and service.

Pawelczyk receives this award for engaging undergraduate students in research and creative activity, for humanizing the University for students and for preparing students to contribute to society during their college years and in the years that follow.

The majority of research assistants in

his laboratory are undergraduate students who are responsible for key tasks in the laboratory. While on leave from the University as a NASA payload specialist aboard the space shuttle Columbia, Pawelczyk taught a Penn State class, Physiological Adaptations to Stress, via live satellite link. Organized by Pawelczyk, NPRC director Peter Farrell and the Penn State World Campus, the lecture was one of four delivered by astronauts to North American universities, marking the first



James A. Pawelczyk

time that university students had spoken live with an astronaut in space.

Dovetailing with his NASA experiences, Pawelczyk serves, with Sven Bilen, assistant professor of engineering design and graphics and electrical engineering, as a faculty adviser for the Flyin' Lions, an interdisciplinary group of engineering students who will fly their experiment on NASA's KC-135 aircraft as part of NASA's Reduced Gravity Student Flight Opportunity Program. He also is a member of the board of directors of the Pennsylvania Space Grant Consortium, one of the largest providers of student research funding at Penn State, and serves as the College of Health and Human Development's representative on the Faculty Advisory Council of the Schreyer Honors

College.

From 1998 to 2000, Pawelczyk spent two years in residence in Atherton Hall as the Faculty Mentor for the Schreyer Honors College. He is the only tenure-track faculty member at Penn State to live full-time in a residence hall in recent history, although it was common practice in the University's past. In this capacity, he served as student advocate for the faculty and administration liaison for students.

Pawelczyk regularly speaks to alumni, extension, school and community groups and has visited nearly all of the University's campuses, where he speaks to students and plants grass grown from seeds that flew in space with him aboard Columbia.

Anderson, Sokol to receive Eisenhower Award for Distinguished Teaching

Douglas R. Anderson, associate professor of philosophy, and Paul E. Sokol, professor of physics, are the two recipients of the 2001 Milton S. Eisenhower Award for Distinguished Teaching.

Since joining the philosophy faculty in 1990, Anderson has earned the respect and admiration of students, consistently receiving the highest ratings possible in student evaluation surveys — a particularly noteworthy testament to his pedagogical prowess given the large lecture sections he often teaches. His active learning approach to education engages student participation and challenges students to explore the logic and ramifications of problems and ideas.



Douglas R. Anderson

of complex physics topics. He also has been directly involved with revamping general education and lower level physics courses, giving them a more modern approach to the subject through the use of new technologies



Paul E. Sokol

and computer-based laboratories. In addition to his impact on the structure and infrastructure for teaching in the department at all levels, Sokol has also taken his expertise into the local community. He has carried out numerous scientific demonstrations for local elementary and preschools, organized lectures for young area artists and the Special Olympics, and been a judge for the Pennsylvania Science and Humanities Symposium for high

school students.

Currently, Sokol is collaborating on a Web-based question forum, "Ask Dr. Science," which provides the expertise of more than 40 faculty in a variety of subjects. The faculty answer queries submitted online from people ranging from middle school students to adults.

The Milton S. Eisenhower Award for Distinguished Teaching recognizes outstanding efforts among Penn State's tenured faculty who are employed full time for at least five years with undergraduate teaching as a major portion of their duties. Milton S. Eisenhower, brother of former U.S. president Dwight D. Eisenhower, served as president of Penn State from 1950 to 1956.

Berkowitz to receive McKay Donkin Award in recognition of his contributions to faculty

Leonard J. Berkowitz, associate professor of philosophy at Penn State York, has been selected as the 2001 recipient of the McKay Donkin Award. The award is presented to a full-time faculty or staff member or retiree who has made significant contributions to the economic, physical, mental or social welfare of the faculty.

Berkowitz, who holds master's and doctoral degrees in philosophy from Johns Hopkins University, has made immeasurable contributions to the faculty and to the Commonwealth College. His most visible and influential role has been as a member of the Penn State Faculty Senate since 1978, including a term as the organization's chair in 1998-99.



Leonard J. Berkowitz

that developed the current forms of both student and peer

He has served as a faculty liaison to the University's Board of Trustees and Alumni Council, and has been directly involved with initiatives such as undergraduate education, faculty rights and responsibilities, and promotion and tenure. He chaired the task force that recommended the establishment of the School for Engineering Technology and Commonwealth Engineering, and also chaired the subcommittee

evaluation of faculty.

Through these efforts, Berkowitz has given the faculty an increased voice and recognition in University affairs since his arrival at Penn State in 1972. His preparation, diplomacy and problem-solving skills are valued by academic colleagues and administrators alike. He has been a champion for students, supporting proposals to provide academic credit for life experiences and transfer courses. He also has been a steadfast supporter of the gay, lesbian and bisexual community within the University.

The McKay Donkin Award, established in 1969, honors the late McKay Donkin, who served as vice president for finance and treasurer of the University from 1957 to 1968.

Palmer Faculty Mentoring Award to be bestowed upon Edwin L. Herr

Edwin L. Herr, associate dean for graduate programs, research and technology in the College of Education, is the 2001 recipient of the Howard B. Palmer Faculty Mentoring Award. The award recognizes faculty members who most effectively promote the collegial and professional development of junior faculty.

Herr is a nationally recognized scholar and leader in the field of counseling and career development and author of 31 books and approx-

imately 300 journal articles. A distinguished professor of education, Herr also has served as the president of four national and international professional counseling organizations, including the 60,000-member American Counseling Association. He also has extensive international experience as a visiting professor and researcher in European, African and Asian universities.

Herr joined Penn State in 1968 and has previously served twice as interim dean, acting assis-

tant dean for graduate studies, director of the Education Counseling Center and director of Vocational Teacher Education. He also served 24 years as head of the Department of Counselor Education, Counseling Psychology and Rehabilitation Services.

He currently serves as interim head of the Department of Adult Education, Instructional Systems and Workforce Education and Development.



Edwin L. Herr

Corty, Talmage receive teaching fellow awards

Eric W. Corty, associate professor of clinical psychology at Penn State Erie, and Gita Talmage, associate professor of mechanical engineering, have won the 2001 Penn State Teaching Fellow Award: The Alumni/Student Award for Excellence in Teaching.

Corty is credited by his colleagues with teaching some of the most difficult material in a psychology curriculum and turning those courses into ones that engage and transform the students. Corty said his goal as a teacher is to help his students achieve the same level of understanding of the content and the same awareness of its implications that he has achieved after years of study, thought and teaching. He said it is his job as their teacher to come up with as many ways as possible to make this awareness occur as expeditiously as possible.

Talmage teaches undergraduate courses in thermodynamics and fluid mechanics and graduate level courses in fluid mechan-



Eric W. Corty



Gita Talmage

ics and heat transfer. She also coordinates the Graduate Teaching Fellows Seminar Series, which provides senior doctoral candidates with instruction in good educational practice. She believes in allowing students to become active participants in their education and encouraging them to form support groups among themselves. In her classes, students are encouraged to express their thoughts, defend their ideas and become independent thinkers. Colleagues have commented that they can easily identify her students—they are the ones that can state the equations, explain the terms that appear in those equations and whose homework is done in a systematic professional manner.

The Teaching Fellow Award was established in 1985 by the Alumni Association, the Undergraduate Student Government and the Graduate Student Association to honor distinguished teaching and offer encouragement and incentive for excellent teaching.

Verner to receive Award for Faculty Outreach

Keith Verner, chief of the Division of Development Pediatrics and Learning in the College of Medicine, is the 2001 recipient of the Penn State Award for Faculty Outreach.

The award recognizes faculty members who extend the intellectual expertise and resources of the University through teaching, research and service to address the social, civic, economic and environmental issues and opportunities facing our Commonwealth, nation and world. The award was established in 1998 by the provost, the vice president for Outreach and Cooperative Extension and the Faculty Senate committee on outreach.

The Division of Development Pediatrics and Learning was created in the College of Medicine to support and expand the interdisciplinary outreach activities Verner has initiated. These activities include the Center for Science and Health Education, through which Verner supports school districts through needs assessment, teacher-in-service education, grant-writing to improve school science laboratories, and research and development of complete student activi-



Keith Verner

ty modules. The largest program at the center, the Elementary School Science Centers, now involves more than 23,000 students in kindergarten through sixth grade and more than 1,300 kindergarten through sixth-grade teachers from 31 school districts.

Verner also encourages his faculty members and professional colleagues to join in outreach activities including in-class lectures, e-mail exchanges with high school classrooms, annual middle school symposium presentations and instruction in the Governor's Institute of Life Science Educators, which he directs and founded in collaboration with the Pennsylvania Department of Education.

Verner recently established the Biology of Learning Development initiative, which unites faculty members from the College of Medicine and other colleges, and representatives from the public school community, including superintendents, to bring the latest advances and solutions from biomedical research into normal learning directly to schoolchildren throughout the state.

Wayne Zolko honored for administrative excellence

Wayne W. Zolko, associate vice president for finance and business/controller of the College of Medicine at The Milton S. Hershey Medical Center, will be honored for administrative excellence. The Administrative Excellence Award is given annually to a faculty or staff member whose performance methods and achievements exemplify excellence.

Common threads from his many supporters for this award are his leadership, integrity and keen negotiation skills, especially expressed during the period of the 1997 merger and 1999 demerger with the Geisinger Health System. Zolko played key roles on the negotiating teams of both events and his professionalism was critical to the successful completion of the process. He is known for understanding not only the "big picture," but also the "whole picture." The continuing need to apply fiscal restraints in a competitive environment has earned Zolko respect from academic, clinical and administrative colleagues at both the medical center and at University Park.

Since 1997, Zolko has had oversight of the \$116 million College of Medicine budget and controller functions, including payroll, accounts payable, research accounting and budgets. He is responsi-



Wayne W. Zolko

ble for all college administrative functions, including human resources, facilities administration, capital planning, legal services, student housing, the fitness center and mail services. He is a member of the Teams Council Leadership Group for the College of Medicine and The Hershey Medical Center. He also serves as treasurer for The Hershey Medical Center.

Before the merger with Geisinger, he had oversight of the \$458 million medical center operating budget and an annual capital budget of \$25 million. He was part of all strategic planning for clinical activities, including those of the faculty practice plan and the hospitals.

A 1975 cum laude graduate of Villanova University, Zolko joined Penn State in 1984 as associate university auditor, a position he held until 1991 when he went to Hershey as associate vice president.

Among his other major accomplishments, he was instrumental in establishing a captive insurance company that has realized savings of more than \$8 million for the medical center, negotiated a \$7.2 million favorable settlement of prior year indirect costs and was honored nationally for a successful \$41 million cost-reduction program at Hershey. He also has served on many University committees.

Webster receives Support Staff Award

Marianne A. Webster, staff assistant to the Division of Undergraduate Studies Program coordinator and Advising Center advisers in the Department of Academic Affairs at Penn State DuBois, will receive the 2001 Support Staff Award.

The award is granted each year to recognize the overall high quality performance of a non-exempt member of the support staff and his or her dedication to customer service, quality improvement, teamwork and professionalism.

Webster has earned the reputation of having a quick sense of organization and is known campus-wide for her client-orientation toward students, parents and faculty. As staff assistant in the Advising Center since 1994 and facilitator for the campus work-study program since 1981, she often is the first person many undergraduates meet when seeking assistance. Her supervisors and colleagues alike say she provides outstanding service in



Marianne A. Webster

explaining University policies, procedures and programs.

She is responsible for scheduling appointments and preparing information packets for the Freshman Testing Counseling and Placement sessions for incoming freshmen. She maintains the advising handbooks and prepares reports for the retention committee, including results of a follow-up post-card survey she

developed for those who do not re-enroll, which has been useful to other campuses as well. She maintains information, time sheets and records for the Federal Work Study Program, and helps students find information about majors and schedule classes.

Webster served on the department Strategic Planning Committee and Quality Improvement Committee, and was the staff assistant representative to the Liaison Committee for the Commission for Women. In 1999, she was named the Penn State of the Quarter for the campus.



University Park Calendar

March 23 - April 1

SPECIAL EVENTS

Friday, March 23

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," gallery talk by Jennifer Noonan, 1 p.m., Palmer Museum.
 "Show & Tell," by Anthony Clavoe, The Playhouse Theatre, through March 31. For tickets, call (B14) 863-0255.

Monday, March 26

"Achievements in Physical Oceanography," video, 12:05 to 1 p.m., 105 Oeike.

Wednesday, March 28

"Winds of Fury-Hurricanes Fran and Bertha," video, 12:05 to 1 p.m., 105 Oeike.

MUSIC

Sunday, March 24

String Orchestra Festival 2001, Music I, through March 25. This event includes a festival orchestra concert, 3 p.m., March 25, Music I.

The Pittsburgh Symphony Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (B14) 863-0255.

The Penn State Viola Studio, 5 p.m., Music I.

Monday, March 26

Carman with special guest Ziegler, free admission, 7 p.m., The Bryce Jordan Center.

Tuesday, March 27

Les Misérables, Eisenhower Auditorium, through March 31. For tickets, call (B14) 863-0255.

Thursday, March 29

The University Choir, Bach's Launch concert, Tony Leach, director, 12:10 p.m., Music I.

SEMINARS

Friday, March 23

Ron Cody on "New Techniques for Summarizing Data," 3:30 p.m., 141 Computer.

Bradley Park on "The Use of Basamid (Oozonol) Soil Fumigant for Post Annual Control in Turfgrass Establishment," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

John Western on "So Where is Strasburg? Tomi Ungere's Take," 4 p.m., 301 Steidle.

Mary Terrall on "Speculation and Experiment in 18th-Century Theories of Generation," 4 p.m., 124 Sparks.

James McCarthy on "Globalization and the Environmental Politics of Scale," 4 p.m., 301 Steidle.

Aravinda Chakravarti on "Biology and History of Sequence Variation Within and Between Human Genomes," 4:30 p.m., 112 Kern.

Frank Vogl on "Corporate Integrity and Globalization: What are the Standards and Who Sets the Standards for Global Corporate Citizenship?" 4:30 p.m., 112 Kern.

Matthew Isenbarg on "Collecting, Researching and Sharing the Oaguerrean Experience: Too Little Time, Too Much Material," 5:45 to 6:45 p.m., Palmer Lipson Auditorium.

Saturday, March 24

Brooks Johnson on "Julius Vernerson: From the Daguerreotype to the Paper Print," 10 a.m., Palmer Lipson Auditorium. To register, call (B14) 865-7672.

Jerry Spagnoli on "The World Suspended in Light: Some Thoughts on the Daguerreotype," 11 a.m., Palmer Lipson Auditorium. To register, call (B14) 865-7672.

Chris Churchill on "From Stardust to Oinosars to Footprints on the Moon to Stardust Again," 11 a.m., 101 Thomas.

Alan Trachtenberg on "Mute Romance: Montgomery Simons' Southern Connection," 1:30 p.m., Palmer Lipson Auditorium. To register, call (B14) 865-7672.



The exhibition "An Artistic Friendship: Beauford Delaney and Lawrence Calcagno" showcases the artwork of two men who committed themselves wholeheartedly to lyrical abstraction and shared an interest in the philosophical underpinnings of their work. This watercolor is part of the exhibit which runs through May 13 in the Palmer Museum of Art on the University Park campus.

Brent Wilson on "Exhibiting Oaguerotypes: Portraying the Future," 2:30 p.m., Palmer Lipson Auditorium. To register, call (B14) 865-7672.
 Panel discussion, moderated by Glenn Willumsen, curator, Palmer Museum of Art, 3:30 to 4:30 p.m., Palmer Lipson Auditorium. To register, call (B14) 865-7672.

Monday, March 26

Jong Han on "Tuning Fermi-Surface Properties Through Quantum Confinement in Metallic Nanoparticles: New Metals Fr," noon, 339 Davey Laboratory.

Tuesday, March 27

Antony Boris on "Simulations of Drag-Reducing Polymer Turbulent Flows: Challenges and Rewards," 10 a.m., 140 Fenske Laboratory.

Christopher Winship on "New Methods for Causal Analysis: Implications for Sociological Research," noon to 1 p.m., 406 Oswald Tower.

Georgia Ochoa on "Cosmic Ray Radioactive Isotopes: The ISOMAX Experiment," 3:30 p.m., 318 Osmond Laboratory.

Steve Granick on "Nanobiology," 4 p.m., 22 Delke.

Martha G. Oakley on "Toward an Understanding of Coiled Coil Helix Orientation Preference," 4 p.m., S5 Osmond Laboratory.
 Christopher Winship on "Does Going to School Make You Smarter? The Estimation of Causal Effects with Longitudinal Data," 7 p.m., 101 Thomas.

Michael Gartner, a multi-media journalist who won the Pulitzer Prize for editorial writing will give the keynote address for the Spring 2001 Foster Conference of Distinguished Writers. For reservations, call (B14) 865-8801.

Wednesday, March 28

Jon F. Nussbaum on "Communication and Aging: The Structure, Function and Process of Relationships across the Lifespan," noon to 1 p.m., 108 Wartik Laboratory.
 Gabriela Antunez-de-Mayolo on "Green Biotechnology," 12:20 to 1:10 p.m., 105 Wartik Laboratory.

Winnie Holzman, producer of "Once and Again" and "My So-Called Life," 7:30 p.m., 113 Carnegie.

Thursday March 29

James M. Tour on "Constructing a Computer from Molecular Components," 12:15 p.m., S5 Osmond Laboratory.

Dorothee Chwila on "Tracing Semantic Integration Processes in Visual Word Recognition by Means of Event-Related Brain Potentials," 1 to 2:15 p.m., 352 Moore.
 Karsten Gänzlmann on "The GEO-600 Gravitational Wave Detector," 4 p.m., 117 Osmond Laboratory.

Boris Kochoubey on "Using Brain Potentials for Assessment of Cognitive Functions: The End of the Specificity Hypothesis?" 4:30 p.m., 12 Walker.

Gall Levin, author of *Edward Hopper, an Intimate Biography*, 8 p.m., Foster Auditorium, Pattee Library.

Norton Wise on "Expressive Curves: Art and Science in Helmholtz's Berlin," 8 p.m., 101 Osmond Laboratory.

Friday, March 30

David McNear on "Speciation and Lability of Lead in Rifle Range Impacted Soils," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

C. Gregory Knight on "Vulnerability to Climate Change: The Bulgarian Example," 4 p.m., 301 Steidle.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Everyday Use, Paintings by Helen Klebsattel," March 23 through May 3.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

Kern exhibit area

"Lego Sculptures," by Alpha O. Harrison, through April 4.

"Retreat" photography by Jason Fagone, through May 16.

Commonwealth College Faculty Books, through April 30.

Palmer Museum of Art

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Oaguerreotype Portrait in America," through May 20.

"An Artistic Friendship: Beauford Delaney and Lawrence Calcagno," through May 13.

Pattee and Paterno Library exhibit areas

"A Celebration of Women's History at Penn State," Pattee Library, through April 27.

"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetler and Chris Gaines Memorial Library Collections," through May 15.

Pennsylvania Canon Bible, through April 13.

"Commission for Women at Penn State," Pattee Library, through April 27.

"Overlooked Visions of the Past Century," 109 Pattee, through April 27.

"The Digital Photography Studio, Student Photographs," 109 Pattee, through May 20.

West Halls exhibit area

"Photographic Ethnobotany: Peruvian Plants and People Between Chimay, through May 13.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



From the Trustee Docket

Ridge releases project funds

Gov. Tom Ridge has released a total of \$8.2 million to the University to fund physical plant upgrades in approximately 22 major buildings, telecommunications infrastructure and utility expansion for west campus development. Gary C. Schultz, senior vice president for finance and business/treasurer, told the board of trustees on March 16.

The third phase of capital renewal, project No. 800-265, at \$5 million dollars, has been released, allowing the University to complete an additional phase of a series of projects to address upgrades needed in approximately 600 major buildings on the University Park campus.

For information on the other projects, check the Web at <http://www.psu.edu/ur/2001/bot16mar01ridge.html>.

H&HD dean outlines status, direction of college

The College of Health and Human Development's external research funding has doubled over the past 10 years to more than \$22 million annually, and has programs ranked among the top five nationally. In an informational report to the Board of Trustees on March 16, College of Health and Human Development Dean Raymond T. Coward discussed building on the success of the college and maintaining its competitive edge.

For more on this story, check the Web at <http://www.psu.edu/ur/2001/bot16mar01h&d.html>.

New housing planned for University Park

The Board of Trustees on March 16 approved the appointment of Childs Bertman Tseckares Inc. of Boston and Hayes Large Architects of State College to design new student housing to replace the Eastview Terrace family units at University Park.

"Upon completion of the new student housing on West Campus, graduate students and their families currently living in the Eastview Terrace temporary housing units built during World War II will move to the West Campus housing, and new student housing units will be built at the Eastview Terrace site," said Gary C. Schultz, senior vice president for finance and business/treasurer, in a report to the board.

For more on this story, check the Web at <http://www.psu.edu/ur/2001/botestview16mar.html>.

Sketch plans OK for MBNA Career Services Building

Penn State students are highly sought by employers in all fields, and the new MBNA Career Services Building in the heart of campus will help make those connections easier for both students and employers. On March 16 the Board of Trustees approved the sketch/preliminary



The new Pasquerilla Spiritual Center, as seen in this artist's rendering, features a tower and windows designed for dramatic lighting. The Board of Trustees approved final plans for the project. Construction is expected to begin in the spring.

Final plans for Pasquerilla Spiritual Center approved

The University's plans to renovate and add to Eisenhower Chapel took a step toward completion when the Board of Trustees approved final plans for the Pasquerilla Spiritual Center.

Construction is expected to begin this spring on the spiritual center, which is named in honor of the late Frank and Sylvia Pasquerilla of Johnstown. The couple had provided the leadership gift of \$5 million for its construction. In addition to the Pasquerilla gift, Joe and Sue Paterno have given \$1 million, as have Bill and Joan

Schreyer. An estimated \$9 million expansion and renovation will be supported solely by private funds. The total raised so far is \$8 million.

The building, designed by James Oleg Krulhy & Associates of Philadelphia, emphasizes the experience of an inspiring volume of space and the importance of light.

The first floor features a two-story core worship area that can accommodate 500 people and three adjoining chambers with an additional 300 seats that can be opened

to the main area or closed off as separate rooms. It will also have a reception area, offices, kitchens and program spaces. The second floor will have additional office space.

The project includes renovations to the Helen Eakin Eisenhower Chapel as well as the 29,000 square-foot addition that will be located between the existing chapel and Allen Road.

For more of this story go to <http://www.psu.edu/ur/2001/botpasquerilla16mar.html>

nary plans for the 44,000 gross square-foot building, which will be located on Bigler Road next to the Computer Building and across from the outdoor swimming pool.

The new MBNA building will house all the programs and functions of Career Services, including career counseling, outreach programming, placement services, staff offices and interview rooms. It also will house the Morgan Academic Support Center for Student Athletes.

For more on this story, check the Web at <http://www.psu.edu/ur/2001/botmbna16mar.html>.

Board OKs plans for McKeesport student union

Penn State McKeesport will soon get a new student union building that will replace its existing and out-of-date building with new amenities that will better serve the campus. In action at the board

of trustees meeting on March 16, the board approved sketch and preliminary plans for the new facility designed by the architectural firm of WTW Architects of Pittsburgh.

The 25,000-gross-square-foot facility in the center of campus will house a bookstore, Food Services, Student Affairs offices and a health center.

For more on this story, check the Web at <http://www.psu.edu/ur/2001/botmckees16mar.html>

University acquires property near University Park campus

The University has been given the opportunity to purchase the North American Refractories Technical Center at 3127 Research Drive, CATO Industrial Park, near the University Park campus.

"A number of colleges have unmet needs that would be addressed by the

American Refractories Building," said Gary C. Schultz, senior vice president for finance and business/treasurer. The board of trustees on March 16 approved the purchase for \$2.2 million. The 10-acre property contains a 56,000 square-foot, single story structure with an office, laboratory and research and warehouse spaces.

The University also owns the Aqua Penn and Swan properties at CATO Park.

Trustee election ballot positions set

Ballot positions for the 2001 election of trustees by alumni have been determined by a drawing, a procedure established by the board of trustees. Ballots will be mailed to Alumni by April 10, and must be returned by 9 a.m., Thursday, May 10. The candidates are: Tracy L. Steele, Paul V. Suhey, M. Abraham Harpster, Barry K. Robinson and Steve A. Garban.



Private Giving



THE PENN STATE CAMPAIGN

"I've had the pleasure of working for the University for four years in the Department of Intercollegiate Athletics. With the support of many people within our department, we've been able to improve our operations at the Penn State Golf Courses. This has motivated me to take advantage of payroll deduction and give back monthly to the department. The opportunities provided to our student athletes are endless and the best within the notion. I look forward to the opportunity of giving even more as I continue my work at the golf courses."

Doug Wert, general manager/director of golf operations at the Penn State golf courses

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/facultystaff.asp>



Couple establishes \$500,000 scholarship

Students at Penn State Erie will benefit from a \$500,000 bequest that will create the W. Craig and Alice G. McClelland Leadership Scholarship. McClelland, a former chief executive officer of Hammermill Paper Co. (now International Paper) and a 1988 honorary alumnus of the college,

along with his wife, made the gift through IP's Charitable Award Program for Education.

The McClellands' gift, to be made through their future estate, will assist undergraduates with financial need who demonstrate leadership abilities through

their involvement in campus organizations and activities.

McClelland is the former chairman and CEO of Union Camp Corp. He now serves on the board of International Paper.

He and his wife, Alice, live in Saddle River, N.J.

Administrative internship receives endowment

Doctoral students in the higher education program will have more opportunities to gain on-the-job administrative experience at the University, thanks to an endowment recently created with a \$130,000 gift from alumni Allan and Roberta Ostar.

Students who receive support from the Ostar Internship Endowment will serve as interns in the University's central administrative offices and participate in the functions of these offices as part of their learning experience. The internship will cover expenses associated with tuition, travel, research and other educational activities.

Allan W. Ostar is president emeritus of the American Association of Colleges and State Universities, a Washington, D.C.-based organization of about 400 public four-year institutions. He also is an adjunct professor in the University's higher education program. He graduated from Penn State in 1948 with a bachelor's degree in psychology and headed the AASCU from 1965 until his retirement in 1991.

Roberta Hutchison Ostar received her bachelor's degree in journalism. While at Penn State she was editor of *La Vie* and news editor of the *The Daily Collegian*. The Ostars met while working at *The Daily Collegian*.

Before joining the AASCU, Allan Ostar was director of the Office of Institutional Research in Washington, serving the National Association of State Universities and Land-Grant Colleges. He also was a faculty member and administrator at the University of Wisconsin and a member of many national education boards and commissions. *Change* magazine has named him one of the 44 most influential leaders in higher education.

In previous philanthropy to Penn State, the Ostars have endowed the Ostar-Hutchison *Daily Collegian* scholarship, and supported the College of Education and the University Libraries.

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Focus on Research

e-Commerce strategy works best with just 2 service levels

By BARBARA HALE
Public Information

Despite the diversity in the need for e-market services, buyers and sellers who use online auctions, travel agencies, comparison shoppers, investment brokers or other electronic intermediaries or middlemen, can continue to expect a maximum of just two service and fee options — premium and basic. Hemant Bhargava, professor of management information systems, explained, "Contrary to standard economic theory that says, a firm selling in a broad market maximizes profits by offering multiple differentiated products at differential prices, we've found a different effect at work for these electronic intermediaries."

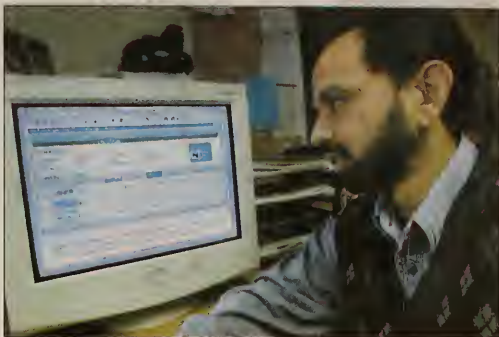
Analysis by Bhargava and colleagues has shown that, if the intermediary's cost of providing service is not strongly related to the level of service then the intermediary maximizes profits by offering just two services: a high quality level of service and a low quality level.

For example, he said, "Web-based e-mail providers offer a 'premium' service with a monthly fee and a 'no-frills' free service. The premium service, which offers larger mail boxes and other technical features, usually costs about \$30 to \$40 a year. You don't get a middle-level service at, say, \$20 a year."

A faculty member in The Smeal College of Business Administration, Bhargava added, "Of course, the 'free' service isn't really free. Customers pay in the form of personal information and attention to advertising content."

The researchers also found that improving the quality of the lower level service hurts the intermediary's profits. So, the intermediary's interests are best served by offering only two levels — the best possible level of service and the least possible level needed to make it worthwhile to consumers.

Bhargava's research colleagues, both at



Hemant Bhargava, professor of management information systems, does some comparison shopping on the Internet as part of his research.

Photo: Greg Grieco

Carnegie Mellon University, are Vidyand Choudhary, assistant professor in the Graduate School of Industrial Administration, and Ramayya Krishnan, the Cooper professor at The Heinz School of Public Policy and Management.

Bhargava says even a brief canvass of the Web will show that the industry is already practicing this limited two level product and pricing strategy. Online auctions, such as eBay, charge both buyers and sellers. The two-level strategy explains why you can't bargain with eBay to let you sell your late Aunt Bertha's prize porcelain bird collection online for less than the usual 2 percent to 3 percent they normally charge sellers.

Online auction intermediaries create a network that aggregates buyers and sellers. The intermediary's value to buyers increases as the number of sellers increases. Similarly, its value to sellers increases as it aggregates more buyers.

Bhargava says this "aggregation benefit"

is key to understanding the results obtained in the researchers' study.

"In a buyer-sided market, the intermediary's value to a buyer is a combination of the level of service it provides and the number of sellers it aggregates. So, it uses the premium service to derive maximum revenues from buyers who most value its service," he said. "It uses the low quality and low-priced service to lure everyone else into the market and extract a price for the aggregation benefit that it creates. Any qualities in between would simply take away profits from the high-level service, since some of those customers would switch down to the new service. Similar reasoning applies in seller-sided markets."

"Some people thought that e-commerce would ease out intermediaries and encourage person-to-person commerce. However, that doesn't appear to be happening," the researcher said.

Research targets scrap tires as aid in wastewater filtration

Every year, Pennsylvania alone produces more than 11 million scrap tires that clog landfills, pollute the earth, are a fire hazard, and quickly become breeding areas for mosquitoes and rats. Finding adequate uses for the castoff tires is a continuing problem and illegal dumping has become a serious problem throughout the commonwealth.

But, a Penn State Harrisburg faculty member and researcher is confident he's developed a use for old tires that will help alleviate the problem and clean up the environment at the same time. Assistant professor of environmental engineering

Yuefeng Xie's research uses crumb rubber, a tire-derived material, as a filter media for wastewater filtration.

For traditional wastewater filtration, gravity down-flow granular filters are commonly used. One major problem with these filters is that upon backwashing the particles, the larger ones settle at a greater rate than the smaller. Xie explained that this causes the top of the filter bed to hold the smallest particles and the bottom of the bed to hold the largest. The small particles tend to become clogged quickly.

In his research, Xie has proved that crumb rubber is not a rigid material, instead it can be easily bent or compressed. This reverses the clogging problem, he added, and enhances the filtration process. Through the crumb rubber method, the larger solids are removed at the top layer of the filter bed and the smaller solids at a lower level, enabling greater depth filtration and longer filter runs.

Xie is confident the process has widespread, economic application for any treatment facility seeking to better filter water before it is discharged.

Universe teems with black holes

From NASA reports

For the first time, astronomers believe they have proof black holes of all sizes once ruled the universe.

NASA's Chandra X-ray Observatory provided the deepest X-ray images ever recorded, and those pictures deliver a novel look at the past 12 billion years of black holes.

Two independent teams of astronomers presented images that contain the faintest X-ray sources ever detected, which include an abundance of active super-massive black holes.

"The Chandra data show us that giant black holes were much more active in the past than at present," said Riccardo Giacconi of Johns Hopkins University and Associated Universities Inc., Washington, D.C.

The images, known as Chandra Deep Fields, were obtained during many long exposures over the course of more than a year.

"For the first time, we are able to use X-rays to look back to a time when normal galaxies were several billion years younger," said Ann Hornschemeier, a University graduate student in astronomy and astrophysics. The group's 500,000-second exposure included the Hubble Deep Field North, allowing scientists the opportunity to combine the power of Chandra and the Hubble Space Telescope. The Penn State team recently acquired an additional 500,000 seconds of data, creating another one-million-second Chandra Deep Field, located in the constellation of Ursa Major.

The images are called Chandra Deep Fields because they are comparable to the famous Hubble Deep Field in being able to see further and fainter objects than any image of the universe taken at X-ray wavelengths. Both Chandra Deep Fields are comparable in observation time to the Hubble Deep Fields, but cover a much larger area of the sky.

"In essence, it is like seeing galaxies similar to our own Milky Way at much earlier times in their lives," Hornschemeier said. "These data will help scientists better understand star formation and how stellar-sized black holes evolve."

Another discovery to emerge from the Chandra Deep Field South is the detection of an extremely distant X-ray source, shrouded in gas and dust. "The discovery of this object, some 12 billion light years away, is key to understanding how dense clouds of gas form galaxies, with massive black holes at their centers," said Colin Norman of Johns Hopkins University.

Chandra's Advanced CCD Imaging Spectrometer was developed for NASA by Penn State and Massachusetts Institute of Technology, Cambridge, under the leadership of Gordon Garrard, Evan Pugh professor of astronomy and astrophysics.



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Signs of spring



A flock of cedar waxwings made an appearance last week outside of Old Main on the University Park campus. These migratory birds, whose diet is largely composed of berries, found the bushes gracing the front of the building to be more than just colorful landscape.

Photos: Chris Koleno

More than 50 percent of University's student athletes earn 3.0 or greater GPA

A summary of academic performance for the 2000 fall semester has revealed that 135 student-athletes posted a grade point average of 3.5 or higher, Athletic Director Tim Curley has announced.

For the semester just concluded, a total of 360 student-athletes had a GPA of 3.0 or above, an impressive 50.4 percent of the 714 young men and women who are actively participating in the University's 29 varsity sports, according to Diana Kenepff, director of the Morgan Academic Support Center for Student-Athletes. There are approximately 800 student-athletes at the University, including those who are med-

ically unable to participate or whose competitive eligibility has been exhausted but are working toward their degree.

The efforts of the University's Morgan Academic Support Center for Student-Athletes again was reflected in the latest NCAA graduation rate report, which showed that 78 percent of Lion student-athletes who began their careers in 1993-94 graduated in six years, compared to a 58 percent national average. Penn State has had 17 student-athletes earn Verizon All-America honors the past two years, including eight in 1999-2000, second-most to receive the recognition at the University in one academic year.

Football player Jordan Caruso earned the distinction this past fall for the second consecutive year, giving Penn State 44 Verizon Academic All-America selections in the past seven years.

The University also had 70 Academic All-Big Ten selections for the fall sports (cumulative 3.0 GPA or higher), the highest total for the University's fall sports. In 1999, 60 Lion student-athletes were so honored in the fall season. Penn State has led all Big Ten schools in fall honorees each of the past three years and in total honorees for each of the past two years.



Intercom

INFORMING THE PENN STATE COMMUNITY

MARCH 29, 2001

Deputy sheriffs learn the ropes during expanded training class at University Park

By BILL CAMPBELL
Special to Intercom

There's a new sheriff in town. Actually, there are a lot of them. Deputy sheriffs from Pennsylvania's 67 counties are undergoing intensive law enforcement training on the University Park campus, provided by Penn State's Justice and Safety Institute.

Traditionally, the duties of sheriff deputies in Pennsylvania were largely court-related — providing courtroom security, processing and serving court documents, enforcing court orders and transporting criminals. Recent Pennsylvania Supreme Court rulings have affirmed they have law enforcement powers, but provided that they must complete training comparable to other Pennsylvania law enforcement officers.

"In effect, the court decisions increased basic training for deputies from four to 14 weeks," Donald Zetlemoyer, institute director, said. "The new training program basically is a law enforcement academy. It covers a range of topics, including civil law, criminal law, firearms, defense tactics, first aid, physical training, crisis intervention and emergency vehicle operation."

Zetlemoyer said that even though the deputy training is now 14 weeks in length, most of those involved thus far have been pleased with it.

"Most welcome the opportunity to professionalize the status of Pennsylvania deputy sheriffs," he said.

Robert Stomis, institute associate director, coordinates the training program. He said two groups have completed the training and a third class is under way. Classes are limited to a maximum of 40 students, with four classes to be offered annually. The institute also is providing four, three-week waiver classes annually for deputies who have had previous law enforcement experience and have passed a required exam.

The deputies undergo training Monday through Friday and are housed at the Ramada Inn in State College, near the University Park campus. They have access to Penn State Dining Services for meals. Classes are held in the HUB-Robson Center, while other activities are conducted at



Jeff Helwig, primary instructor for control techniques, demonstrates a combination wrist and knee maneuver that will hold a suspect until help arrives. Helwig was teaching sheriff deputies as part of their intensive law enforcement training provided by the University's Justice and Safety Institution the University Park campus.

Riot results in student arrests

STATE COLLEGE — As the Penn State-Temple basketball game came to a close on national television Friday night, thousands of people poured onto Beaver Avenue in State College, blocking traffic. The scene quickly developed into a riot.

State College Borough Police, anticipating the disturbance, were prepared for the possibility and worked with University Park campus police, state police and officers from surrounding departments to quell the riot quickly.

Several injuries were reported, none requiring hospitalization. Reported damage, mostly broken windows, was less severe than in two previous riots in Beaver Canyon, one in 1998 and one in 2000. Thus far police have made about 20 arrests in connection with the riot, with the majority of those arrested being Penn State students.

Arrests, page 2

Team working to maximize University's exposure on the Web

By TYSEN KENDIG
Public Information

To a quarter-million people each day, the face of Penn State is the face of Penn State's World Wide Web presence.

As higher education continues to grapple with the co-existence of clicks and mortar in the shaping of an institution's perception in the electronic age, the application and impact of the Internet continues to expand without pause. Minus a strategy for a coherent Web presence and future development of practical and innovative Web-based services, a university risks losing an opportunity to shape its future in an evolving electronic world.

According to a report issued last summer by the Web Strategies and Directions Task Force charged with evaluating the role of the Internet in the day-to-day operations of Penn State, the University must move rapidly to harness Web innovations — existing both in practice and imagination — that will put it at the forefront of online education, communication and service.

Enter the Web Strategies Implementation Team. Formed under the auspices of the

Web team, page 2

Deputy sheriffs

Continued from page 1

the IM Building, White Building, the Pennsylvania Traffic Institute Test Track and the Pennsylvania Game Commission's Scotia Range.

"A long-term goal is that the increased training will professionalize the office and improve the service and quality of the people who come into the profession," Stonis said. "We are providing blocks on which they can continue building and practice what they learned. Our hope is they will discover different ways of doing things, and, by doing so, become better deputy sheriffs."

Oliver Benning, a deputy in the Lebanon County Sheriff's Office, sees the training program as a real challenge.

"It is challenging, but I believe that's what we need in our lives," he said. "I consider the training another important step in advancing my law enforcement career. I want to achieve all I can in the profession so that I can do my job to the best of my ability."

"It is very difficult being away from home. I'm married and the weekends are not long enough. But my wife is very understanding. She knows I'm here to accomplish something that will make our lives better in the long run."

Mandy Miller, a deputy in the Berks County Sheriff's Office, observed her first wedding anniversary while away from home.

"That was not the easiest thing to do," she said. "But I'm learning a great deal that will help me in terms of my career. The class is giving me a basic understanding of every division of a sheriff's department. I'll be more confident knowing that I've had training in a wide range of areas."

The Justice and Safety Institute has been awarded a \$2 million contract to provide the training from the Pennsylvania Commission on Crime and Delinquency (PCCD). Funding comes from court fees managed by the PCCD.

Zettlemoyer said the program would have a significant economic impact on the University and the community. He estimated the annual impact to the University, including salaries, facilities, dining services and transportation services, at some \$622,000 and to the community of more than \$800,000.

The institute has a 30-year history and a national reputation of providing police training programs.

"Being the sole provider of basic training for sheriff's deputies in Pennsylvania is a major undertaking for us," Zettlemoyer said. "It is a different step for the institute. With the deputy program, we are now engaged in training from the beginning to the executive level of an officer's career. This fuller perspective will benefit both programs."

Bill Campbell can be reached at wjc1@psu.edu.

It's chilly in there



Michelle Dzyak, archives assistant, files an old film for safe keeping in the audio/visual cold storage facility in the basement of Paterno Library on the University Park campus. For information about the University Libraries Department of Preservation, check the Web at <http://www.libraries.psu.edu/iasweb/preservation/>.

Photo: Greg Grieco

Web team

Continued from page 1

Office of the Provost and headed by Fred Loomis, special assistant to the provost and director of the Solutions Institute in the School of Information Sciences and Technology, the team will guide the implementation of strategies for greater uses of the World Wide Web across the University's multiple missions of teaching, research and service.

"The Web Strategies Implementation Team has been charged with developing an action plan in response to the guidelines established by the Web Task Force last summer," said Loomis. "Our vision is to have all academic and administrative units embrace the Web as a fully integrated and dynamic tool for promoting access and service. We hope to achieve a Web presence that is the foundation for a community that serves and engages all University constituents."

Among the goals that will guide this lofty ambition are increasing communication and e-commerce via the Internet; using applications to integrate the University's missions; improving relationships with Penn State constituents through Web-based information and service portals; and enhancing the overall Web presence of the University.

In the end, the team will recommend strategies; identify best practices from other institutions and proactive units within Penn State; and develop a

roadmap for increasing University-wide awareness and skills regarding the methods, models, tools and training for use of the Web in academic, administrative and business capacities. The team also will determine which Web projects are most critical to the University's long-term success in this realm.

"Universities are distinct — we're not the same as businesses or government organizations," said Rodney Erickson, executive vice president and provost of the University. "There is a much broader range of people that we must reach."

Erickson will chair the Web Strategies Implementation Steering Committee, which consists of budget executives and administrators whose units are most influenced by Web advancement.

"I'm confident that we've assembled a team here that will help Penn State take advantage of the ever-evolving technological opportunities and become a leader in the deployment of the Web," he added.

Information on the goals, progress and structure of the Web Strategies Implementation Team, as well as resources for Web development, will be posted to the Web in the near future at <http://www.web.psu.edu/>.

Tyson Kendig can be reached at tyson@psu.edu.

Arrests

Continued from page 1

In the aftermath of the riot, President Graham B. Spanier condemned the actions of the rioters.

"The Penn State alma mater contains the words 'may no act of ours bring shame.' But once again we have most unfortunately experienced a disturbance that damages the reputation of the University and the community that surrounds us. Although most students celebrated our exemplary basketball season responsibly, there seemed to be no purpose, celebratory or otherwise, for the post-game riot, which police and observers report was clearly fueled by alcohol," Spanier said.

"Such behaviors are not acceptable in a civil society, and I deeply regret that so many members of the Penn State family would ignore lawful orders to disperse and jeopardize the safety of fellow students and community residents. I commend State College Chief of Police Tom King and the dozens of other officers who put themselves in harm's way to restore order quickly in an environment of rapidly deteriorating public safety," he said.

"Penn State does not condone riotous behavior. Students who have been charged with criminal offenses will face disciplinary proceedings within the University's Judicial Affairs system, in addition to adjudication through the criminal justice system. The University will continue to work cooperatively with the Borough of State College, apartment owners and students to prevent such disturbances in the future," Spanier said.



Penn Staters

Alberto F. Cabrera, associate professor of education policy and research associate in the Center for the Study of Higher Education, was an invited respondent to the Congressional Advisory Committee on Student Financial Assistance in Washington D.C. Cabrera's research findings, published as "On the Path to College: Three Critical Tasks Facing America's Disadvantaged," were the foundation for his remarks.

A Penn State extension and research program developed in response to an outbreak of plum pox — a viral disease of peaches and other stone fruits — has been recognized with Awards of Excellence from both the Northeast Extension Directors and the Northeast Experiment Station Directors. Members of the project team include plant pathologist **Herbert Cole**, professor of agricultural sciences; **Thomas Garretson**, fruit integrated pest management extension agent in Adams County; **Frederick Gildow**, professor of plant pathology; **John Halbrecht**, associate professor of plant pathology; **Jason Harper**, associate professor of agricultural economics; **Larry Hull**, professor of entomology and scientist in charge of the University's Fruit Research and Extension Center in Biglerville; **Lynn Kime**, ag economic development extension agent in Adams County; **William Kleiner**, county extension director and fruit extension agent in Adams County; **Greg Krawczyk**, entomology research associate; and **James Travis**, professor of plant pathology extension.

Gabriela Gonzalez, assistant professor of physics, has been awarded a 2001 career enhancement fellowship for junior faculty in underrepresented groups from the Woodrow Wilson National Fellowship Foundation. The award, designed to assist talented junior faculty to pursue scholarly research and writing over a period of one year so they can attain tenure, includes a monetary stipend as well as a stipend for research, travel and publication.

Iam-Choon Khoo, distinguished professor of electrical engineering, presented an invited paper at the sixth International Conference on Frontiers of Polymers and Advanced Materials in Recife, Brazil. His talk was on "Nonlinear nematic liquid crystals and phototunable 2 and 3-D photonic crystal for visible — 1.55 micron spectral region."

Soundar Kumara, professor of industrial and manufacturing engineering and computer science and engineering, is the principal investigator of a \$1.9 million research grant from the Defense Advanced Research Projects Agency's Information Systems Office under the UltraLog program. The grant will be used to study scalability, robustness and control of the cognitive agent architecture developed by the agency over a four-year period.

Beverly Lindsay, dean of the University of International Programs, was recently elected to the Council on Foreign Relations. She is the first professional from Penn State to be selected for mem-



Gerald Lang, professor of photography and director of the Digital Photography Studio on the University Park campus, helps direct one of his student shoots in the studio. "The Digital Photography Studio, Student Photographs," contemporary images created through digital technology, is on display through May 20 in the Candace and Patrick E. Malloy III Diversity Studies Room, 109 Pattee Library on the University Park campus. The photos are from classes taught by Lang, and present the current evolution of photo technology. For information about the exhibit, call (814) 865-0401.

Photo: Greg Gierco

bership. A policy organization, the Council on Foreign Relations is dedicated to strengthening U.S. foreign policy by promoting understanding of global trends, and by providing new analysis of challenges in world affairs.

Andrew McNitt, assistant professor of soil science, was the recipient of the 2000 Dr. William H. Daniel Award presented by the Sports Turf Managers Association. The presentation took place during the association's annual conference in Tampa, Fla.

Raj Mitra, professor of electrical engineering in the Communication and Space Sciences Laboratory of the Department of Electrical Engineering, was an invited speaker at the Advanced Institute of Aeronautics in Toulouse, France.

Chauncey "Dewey" Morehouse, professor emeritus of physical education, has received the William F. Hulse Memorial Award from the American Society for Testing and Materials. The award recognizes Morehouse's contributions to the development, promotion and use of voluntary full consensus standards that enhance safety in sports and recreation. The society is one of the largest voluntary standards organizations in the world.

Robert E. Newnham, professor emeritus of solid state science, was honored at the 25th Annual International Conference on Advanced Ceramics and Composites held at Cocoa Beach, Fla. A special session

titled, "The Robert Newnham International Symposium on Piezocomposite Devices: Design and Utilization," was attended by more than 100 transducer engineers from all over the world.

Daniel Perkins, associate professor of agricultural and extension education, was invited to serve on the editorial board for the National Council For Family Relations' journal *Family Relations* from November 2000-01.

Arvind Rangaswamy, Jonas H. Anchel professor of marketing in The Smear College of Business Administration, has been named Fellow of the IC² Institute at the University of Texas at Austin. Rangaswamy is the research director of the eBusiness Research Center and research director of the e-Incubator Laboratory. The IC² Institute works with public and private sectors in the United States and abroad to foster technology-based, regional economic development and job creation.

Peter Romaine, professor of plant pathology, presented the talk "Molecular Genetics and Pathogenicity of Biocontrol and Mushroom Trichoderma" at the IOBC/WPRS International Congress on Biocontrol of Fungal and Bacterial Pathogens in Sevilla, Spain.

Robert Secor, vice provost for Academic Affairs, has been appointed to a three-year term as coordinator of the CIC-Academic

Leadership Program, which is a program designed to develop the leadership and managerial skills of faculty on CIC campuses.

Don Thompson, professor of food science, gave invited presentations at the University of Hong Kong and the East China University of Science and Technology. He and **Ramaswamy Anantheswaran**, associate professor of food science, both presented talks at the Fourth International Conference of Food Science and Technology in Wuxi, China.

Jerome D. Williams, associate professor of marketing in The Smear College of Business Administration, was a co-presenter of a paper at the Society for Consumer Psychology Winter Conference in Scottsdale, Ariz. The paper, "The Role of Gender in Determining Strength and Nature of Marketing Relationships," was co-authored with Parimal S. Bhagat of William Paterson University.

Steven H. Zarit, professor of human development and assistant director of the Gerontology Center in the College of Health and Human Development, received this year's Sen. John Heinz Memorial Award from the National Adult Day Services Association of the National Council on the Aging. Zarit received his award during the annual meeting of the National Council on the Aging and the American Society of Aging in New Orleans.



Lectures

Climatologist to be guest speaker in Hazleton

Robert C. Balling Jr., a nationally recognized climate consultant, will be the guest speaker for Penn State Hazleton's Mylar Girl Lecture in the Natural Sciences at 7:30 p.m. Wednesday, April 4, in 1 Kostos Building.

The Mylar Girl Lecture is presented annually in honor of the late campus physics professor Mylar Girl.

Balling is currently director of the office of climatology and a professor in the Department of Geography at Arizona State University.

Over the past decade, Balling has been



Robert C. Balling

involved in a variety of interrelated climatological issues. He serves as a climate consultant to the U.N. Environment Program, the World Climate Program, the World Meteorological Organization, the U.N. Educational, Scientific and Cultural Organization and the Intergovernmental Panel on Climate Change.

He recently served as the senior climate consultant for the National Geographic Society's seventh Edition Atlas of the World.

For information, call (570) 450-3179.

Gerontology Colloquia series resumes in April

The final three titles for the Spring 2001 Gerontology Colloquia Series have been announced.

All will be held from noon to 1 p.m. in 108 Wartik Lab on the University Park campus and telecast to Lecture Room D at The Milton S. Eisenhower Medical Center.

■ Charles Longino, professor in the Department of Sociology at Wake Forest University, will speak on "Myths of an Aging America" on April 4.

■ John J. McArdle, professor of psychology at the University of Virginia, will speak on "A Latent Difference Score Approach to Longitudinal Data Analysis" on April 11.

■ Scott M. Hofer, assistant professor of human development at the University, will speak about "Change in Cognitive Functioning Associated with ApoE Genotype in a Community Sample of Older Adults" on April 11.

National honors conference set for March 30

The Schreyer Honors College and the Schreyer Institute for Innovation in Learning will sponsor the second annual Schreyer National Conference: Innovations in Undergraduate Research and Honors Education, March 30 through April 1 at The Nittany Lion Inn on the University Park campus.

Bringing together leaders in higher education with honors educators, this conference offers a unique opportunity for dialogue and discussion with a special focus on undergraduate research at research universities. Roundtable discussions will

provide an opportunity for honors educators and university administrators to talk with one another about particular issues their institutions face in improving honors education and in developing undergraduate research programs.

Each day of the conference will feature one or two nationally known figures delivering keynote addresses on a major theme of undergraduate research and honors education. For registration and program information, go to http://www.shc.psu.edu/Innovations2001/innovations_info.htm.

Professor targets race and gender issues

Michele Foster, an expert on African-American teaching and education, will lead two public discussions on Tuesday, April 3, at Penn State Harrisburg.

Foster will make separate presentations at 2 and 6 p.m. in the Gallery Lounge of the Olmsted Building. She is professor of education studies at Claremont Graduate University and visiting scholar in the U.S. Office of Educational Research and Improvement in Washington, D.C. She received her doctorate from Harvard University.

At 2 p.m., her cultural presentation on

"Researching African-American Women: From Inquiry to Understanding" will focus on the historical and geographic contexts of the experiences of African-American female teachers.

For the 6 p.m. discussion, "Race, Class and Gender in Qualitative Research: Listening Between the Lines, Seeing Beyond the Categories," Foster will discuss how race, class and gender fit into data collection in research.

The presentations are free to the public. For information, call (717) 948-6038.

Lead in the soil will be focus of discussion

David McNear, a master of science candidate in environmental pollution control, will speak on "Speciation and Liability of Lead in Rifle Range Impacted Soils" from 3:35-4:25 p.m. March 30 in 101 Agricultural

Sciences and Industries Building on the University Park campus.

The Department of Agronomy is host for the event. For information, call (814) 863-1601.

Symposium will cover challenges of e-learning

Penn State faculty and teaching assistants will have an opportunity to share ideas and learn from their colleagues at the Ninth Annual Teaching and Learning with Technology Symposium from 9 a.m. to 4 p.m. April 7 at the Joab L. Thomas Building on the University Park campus.

Sue Legg, director of the Office of Instructional Resources at the University of Florida, will present the keynote address. Legg's address will lay the foundation for this year's theme, "Supporting E-Learning, Enriching Learning."

Symposium presenters will cover meeting the challenges of large classes, using



Sue Legg

wireless technology in the classroom, shifting the focus from lectures to active learning and using technology to visualize concepts. Lunch will be provided.

The event will close with student panels on new learning environments and demonstrations of Penn State Libraries' online resources and of the services available from the Faculty Multimedia Center at the Center for Education Technology Services.

Registration is free to faculty and teaching assistants and \$75 for attendees from outside the University. To register and for information, check the Web at <http://cac.psu.edu/training/tli/>.

Two e-business leaders to speak in series

The Penn State eBusiness Research Center is welcoming two industry leaders to its Spring 2001 Distinguished Speaker Series on the University Park campus.

Karim Issa, manager of SAP's B2B Marketplaces-Business Development Group, will discuss "e-Business and Marketplaces" from 5:45 to 7:30 p.m. Thursday, April 5, in 102 Forum Building.

Terry Madonia, AT&T Wireless Services' vice president of business marketing

and e-business strategy, will discuss "Driving to Net Readiness" from 6 to 7:30 p.m. Tuesday, April 24, in 104 Keller Auditorium. This presentation will address AT&T Wireless's strategic direction, priorities and current assessment of its e-business capabilities. She also will review the costs associated with executing this strategy and the projected benefits.

Both presentations are free to the public.

Cornell associate dean to discuss literature

Jonathan Culler, senior associate dean of the College of Arts and Science at Cornell University, will present two lectures on Tuesday, April 3, on the University Park campus.

He will discuss "The Genius of Roland Barthes" at 12:15 p.m. at the Comparative Literature Luncheon in 102 Kern. Participants may bring their own lunch or buy something in Kern Cafeteria. For information,

e-mail Kang Liu, coordinator, at koll1@psu.edu.

Culler will discuss "The Novel and the Nation Today" at 2:30 p.m. in 306 Burrows Building. The lecture is part of a series of speakers who are discussing globalization and academic discourses. For information, e-mail D.J. Kadir, director of the Center for Global Studies, at kadir@psu.edu.

LumiLeds tech officer to present 2 lectures

M. George Craford, chief technology officer for LumiLeds Lighting, will deliver the College of Earth and Mineral Sciences' 2001 Nelson W. Taylor Lectures April 4 and 5 at University Park.

A reception for Craford will be held at 3:30 p.m. April 4, followed at 4 p.m. by his lecture, "The Visible Light Emitting Diode Revolution: Trends, Emerging Applications and the Potential for Solid State Illumination." He will present a second lecture on

"Visible LED Technology Issues, Recent Developments and Areas for Future Research" at 4 p.m. April 5. The reception and both lectures will be held in 189 Materials Research Lab.

The lecture series was established in 1969 to honor the memory of Nelson W. Taylor (1899-1965) who was head of the Department of Ceramics from 1933 to 1943.

All events are free to the public.

Multicultural psychology pioneer to speak

Derald Wing Sue, a pioneer in multicultural psychology, education and counseling, will speak on "Growing Up Asian In America: Lessons For Multicultural Education" at 2 p.m. April 11 in 352 Moore Building on the University Park campus.

A professor at California State University, Hayward, and at the California School of Professional Psychology, Sue also developed the

cultural competence movement that has revolutionized the field of counseling and therapy nationwide.

He is the producer of four widely used videotapes on multicultural professional training and technical editor of the Culturally Competent Counseling series for the Society for the Psychological Study of Ethnic Minority Issues and Microtraining Associates.



More Lectures

Comedienne to discuss 'finding purpose'

Bertice Berry, comedienne, talk show host and scholar, will give a talk on "Finding your Purpose" on Wednesday, April 11, in the Ballroom at The Nittany Lion Inn on the University Park campus.

Berry is best known as host of her nationally syndicated talk show, "The Bertice Berry Show," and, most recently, as the host of "USA LIVE," a four-hour live interview and entertainment show on the USA Cable Network.

A best-selling author, Berry graduated magna cum laude from Jacksonville University and received her doctorate from Kent State, where she taught sociology and statistics.



Bertice Berry

She also is a four-time winner of the National Comedian of the Year Award.

The Penn State Forum is a luncheon speaker series offered by the Faculty Staff Club and sponsored in part by the Penn State Bookstore. It is open to the public. Tickets are \$11 for non-members and \$9 for members, and include lunch. Reservations can be made by

mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon. For information call (814) 865-7590.

Green Design Conference, Fair will be April 7-8

The Center for Sustainability will hold the Green Design Conference from 10 a.m. to 6 p.m. Saturday, April 7, in Zoller Gallery on the University Park campus.

The event will showcase ecological innovation, submissions in architecture, engineering, landscape design, agriculture and art. The keynote address will be given by international artist and architect Michael Singer.

The center will hold the Next Generation Green Design Fair, a celebration of ecological innovation and environmental education for families, from 11 a.m. to 3 p.m. Sunday, April 8, in 126 White Building.

Submissions from middle school and high school students will be on display.

Speakers include Andy Lau, professor in architectural engineering, artist Harriet Rosenberg and local ecological builder Gary Gyekis. The keynote address will be given by students from SAVE (Students Against the Violation of the Earth), who have designed, financed and now run their own environmental demonstration home and environmental education center.

The event is free to the public. For information, call (814) 865-2224 or visit the Web at <http://www.psu.edu/dept/cs>.

NEWS IN BRIEF

Coaches vs. Cancer

Coaches vs. Cancer will hold a 5K Run/Walk starting at 10 a.m. April 7 at the Intramural Building on the University Park campus. All proceeds from the event benefit the American Cancer Society.

Participants may register at the Student Book Store, at the Coaches vs. Cancer office in 223 HUB-Robeson Center, or on the Web at <http://www.clubs.psu.edu/coachescancer/>. The first 500 participants to register will receive a free T-shirt. In addition, all registered participants will be able to attend a free spaghetti dinner from 5 to 8 p.m. April 5 in the HUB-Robeson Center Alumni Hall.

For more information, e-mail coaches_vs_cancer@hotmail.com or check the above Web site.

Lobbying disclosure deadline

The University's Quarterly Expense Report under the Pennsylvania Lobbying Disclosure Act will soon be due.

All employee lobbying activities and associated expenses must be reported to the Office of Governmental Affairs no later than April 10.

In the report, the University must dis-

close all lobbying activities and expenses for the months of January, February and March.

The lobbying reporting forms and instructions can be retrieved from the Web at <http://www.govt.psu.edu/govaffairs/PLDA.html>. The forms also can be requested directly from the Office of Governmental Affairs. Completed forms should be sent to the attention of Richard DiEugenio in the Office of Governmental Affairs, 117 Old Main.

For specific inquiries, e-mail Mary Ann Chavey at macc@psu.edu and include the word "lobby" in the subject line.

To view the University's policy concerning employee contacts with state and federal officials (AD 50), check the Web at <http://guru.psu.edu/policies/AD50.html>.

Proposals sought

The Office of Undergraduate Education and the Office of Continuing and Distance Education and Outreach and Cooperative Extension seek proposals from faculty wishing to develop or enhance courses in which students will contribute directly to community problem solving through their scholarship and course assignments.

Five awards of \$3,000 each are available

Leading Islamic feminist writer to speak

Dr. Nawal el Saadawi, often described as the leading feminist writer in the Islamic world, will speak on "Creativity, Politics and Women" at 4 p.m. Monday, April 9, in Heritage Hall of the HUB-Robeson Cultural Center on the University Park campus.

In addition to her talk at 4 p.m., she will speak to students in the Masterpieces of Literature from Africa course, address the Comparative Literature Luncheon and meet with graduate students.

A psychiatrist by training, el Saadawi is

the author of many studies and novels dealing with the condition of women in her country, Egypt, and in the Islamic world.

Her books, both scientific and fictional, were banned in Egypt at one point for 11 years during the Sadat regime. In 1981, she was jailed for several months along with 1,000 other dissidents. Freed after the death of Sadat, she founded the Arab Women's Solidarity Association in 1982. Since then, she has taught and lectured widely on the situation of women today.

Scholar to discuss Dickinson's manuscripts

Marta L. Werner, textual scholar and assistant professor of English at D'Youville College, will speak on electronic textuality at 4 p.m. Thursday, April 5, in the Lawrence G. and Ellen Foster Auditorium in Pattee Library on the University Park campus.

Her talk, "Were Seas to Cross to Come: Crossing and Crossing Out in Emily Dickinson's Manuscripts," will be the third in a series devoted to issues in electronic textuality co-sponsored by the University Libraries and the Department of English. Werner is author of *Emily Dickinson's*

Open Folios: Scenes of Reading, Surfaces of Writing and Editor of Radical Scatters: An Electronic Archive of Emily Dickinson's Late Fragments and Related Texts. She also is a general editor, with Martha Nell Smith and Ellen Louise Hart, of the Dickinson Electronic Archives. Her most recent work focuses on cancellations in Dickinson's manuscripts.

The lecture is free to the public. For information, call Robin Schulze, associate professor of English, at (814) 865-9932; e-mail rgs3@psu.edu.

Civil War era expert to discuss political history

Michael F. Holt, the Langbourne M. Williams professor of American history and chair of the Corcoran Department of History at the University of Virginia, will speak on "Rethinking the Political History of the Civil War Era" at 5:30 p.m. Wednesday, April 11, in 121 Sparks Building on the University Park campus.

Holt's lecture is part of the Steven and Janice Brose Distinguished Lecture Series in the Era of the Civil War.

The speaker has been a fellow of the Center for Advanced Study in the Behavioral Sciences and of the National Humanities Center, and in 1993-94, he was the Pitt professor of American History and Institutions at Cambridge University.

The lecture series was established by an endowment from Steven Brose, a graduate of Penn State in political science, and his wife, Janice, who also attended the university.

The event is free to the public.

for the 2001-02 academic year. In some cases, additional funding may be available in 2002 from Pennsylvania Campus Compact, up to \$4,000 per course.

Faculty selected will be invited by the vice provost and dean of undergraduate education to serve as 2001-2002 public scholarship associates, which includes attendance at monthly luncheons held by Office of Undergraduate Education and the Office of Continuing and Distance Education.

For more information, faculty should contact Jeremy Cohen, associate vice provost, undergraduate education, 420 Old Main. Applications are due April 16.

Temporary service interruption

The University Libraries will be unable to request books from other Pennsylvania Academic Libraries Connection Initiative (PALCI) members now through April 23, while the Libraries prepare for a changeover to a new operating system.

Two alternative resources for obtaining materials still are available. During the transition, patrons can receive materials through the Virtual Electronic Library (VEL) and Interlibrary Loan (ILL). For additional information call (814) 863-1362.

Scholarship opportunities

The University Libraries request that faculty announce scholarship opportunities for undergraduate students interested in careers in library and information science.

Obtaining a library and information science degree can lead to highly specialized work, and because all fields of study can be augmented by this degree, the scholarship opportunities are applicable to all students. Research, teaching, computing and information delivery on the Web all are possible professional pursuits.

Submission deadline is April 27.

For information, visit <http://www.libraries.psu.edu/scholarship>, stop by a University library or call (814) 865-0401 for a scholarship flier.

For the Record

■ The *Penn State Adviser* publication is an in-depth publication about advising, which is available at no cost to all Penn State advisers. Incorrect information about the publication was listed in a story on page 5 of the March 22 Intercom.

■ The Eberly College of Science was misidentified in a photo caption on page 5 of the March 22 Intercom.



Arts & Entertainment



"Les Misérables," Victor Hugo's sweeping story of revolutionary France, returns to Eisenhower Auditorium on the University Park campus. Performances of the musical are scheduled for 8 p.m. Friday, March 29, 2 and 8 p.m. Saturday, March 31, and 2 and 7:30 p.m. Sunday, April 1. For ticket information, call (814) 863-0255.

Piano recital

Pianist Steven Smith, professor of music, will give a solo recital at 8 p.m. Friday, March 30, in Esber Recital Hall in Music Building 1 on the University Park campus.

The event will feature the new Boesendorfer concert grand piano, a recent gift to the School of Music. The recital is free to the public.

Bach's Lunch

The Oriana Singers, a group of 65 women directed by Lynn Drafall, associate professor of music education, will sing at the Bach's Lunch concert at 12:10 p.m. Thursday, April 5, in Eisenhower Chapel on the University Park campus.

After the concert, audience members may take their bag lunches to the Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

'A View from the Bridge'

"A View from the Bridge," a classic play by American playwright Arthur Miller, will be performed in the Penn State Altoona Community Arts Center through April 7.

The production is directed by Dick Caram, associate professor of theatre arts at Penn State Altoona.

Performances will be shown at 8 p.m. March 30-31 and April 4-7, and at 2 p.m. April 1 in the Paul R. and Margery Wolf Kuhn Theater in the Community Arts Center at Penn State Altoona. Cost is \$5

for general admission and \$3 for senior citizens and Penn State students with ID. Tickets may be purchased at the Penn State Altoona Bookstore, or at the Community Arts Center box office one hour before each show. For more information, call (814) 949-5207.

Women's History exhibits

"A Celebration of Women's History at Penn State," a selection of photographs from the University Archives, is on display through April 27 in the Pattee Library exhibit area. Spanning the late 1800s through the late 1970s, the display gives a glimpse of the evolving role of women at Penn State.

"Penn State Commission for Women—Then and Now: Twenty Years of Progress" also is on display at the mall entry to Pattee Library through April 27. This exhibit describes the efforts of a group of 20 female Penn State faculty and staff members, who in 1981 decided to speak out on issues of equity, child care, classroom climate and other longtime concerns. With the assistance and support of some key people, the Commission for Women was formed at Penn State.

Now celebrating its 20th anniversary, the Commission for Women has made recommendations that have led to the establishment of the Center for Women Students, the Women's Studies Program, the Administrative Fellows program and the Mentoring Program, among numerous other accomplishments.

For more information about the exhibit, call (814) 865-0401.

Exchange exhibit

The School of Visual Arts graduate master of fine arts exchange exhibition with the University of Wisconsin will be held from March 30 to April 26 in Art Alley of the HUB-Robeson Center on the University Park campus.

The exhibit features paintings and prints by M.F.A. candidates from the University of Wisconsin. A reception will be held from 7 to 9 p.m. April 26 at the exhibit site.

Photo exhibit

"Wrapping Up," photography by Dan Saclinger, will be exhibited from March 30 to May 1 at the HUB-Robeson Center on the University Park campus.

Saclinger is a senior who will graduate in May with a bachelor of fine arts in photography.

A reception will be held from 7 to 9 p.m. March 30.

Art on the Move

"Moods of Contemplation," photography by Amanda N. Wise, will be exhibited through May 2 in the general medical waiting room at the Ritener Center on the University Park campus.

The exhibit is part of the Art on the Move program. Wise is pursuing a degree in graphic design and photography.

PARTINGS

Hershey says goodbye to 'founding member'

Dorothy M. Ecklund, administrative assistant and "founding member" of the Department of Pediatrics at The Milton S. Hershey Medical Center, officially turned over the pediatric administrative reins to another in September.

Ecklund has spent 30 years, from September 1970 to September 2000, working in the Department of Pediatrics.

She has been a member of the Association of Administrators in Academic Pediatrics since its inception in 1984, attending the annual meetings of administrators from teaching hospitals and universities throughout the United States. She also has served on the Employee of the Month Selection Committee at the medical center since its inception in 1983.

Ecklund and her husband, Stanley Frederick, are celebrating her retirement with a trip through Norway, Sweden and Denmark.

Engineering professor retires with emeritus status

William Thompson Jr., professor of engineering science, has retired with emeritus status after 34 years.

Thompson came to the University in 1966 as a research assistant at the Applied Research Laboratory. He received his doctorate in engineering acoustics from Penn State in 1971 and joined the engineering science and mechanics faculty in 1972. In 1973 he became a member of the faculty of the graduate acoustics program. Thompson also served as head of the Transducer Group at ARL from 1971 to 1980.

In recent years, Thompson served as his department's undergraduate officer and represented his department in the College of Engineering's Undergraduate Advising Office and Cooperative Education Office. He regularly participated in the First Year Testing, Counseling and Advising Program and was the editor of his department's advising guide. At the University level, Thompson helped evaluate applicants for the Schreyer Honors College. From 1996 to 1997, he served as chairperson of the IBM Master Teacher Team.

Thompson received the Penn State Engineering Society's Outstanding Teaching Award in 1984, the PSES Premier Teaching Award in 1993 and the PSES Outstanding Advising Award in 1998.



William Thompson Jr.

Teaching & Learning Consortium

Colloquy theme is 'Expanding Student-Centered Learning'

The daylong Teaching and Learning Consortium Colloquy on May 2 will feature special projects from faculty and students at University Park, Altoona and Capital College. The program, "Expanding Student-Centered Learning," will be held from 8:30 a.m. to 4 p.m. in the HUB-Robeson Cultural Center, University Park.

Attendees will select from the six parallel sessions in the morning and afternoon. The morning's presentations will focus on six demonstration department projects and roundtable discussions from faculty members. The departments will present overviews of their initiatives to expand student-centered learning. During the afternoon, projects from six units that support the TLC initiatives will be presented. Participating units include the Schreyer Institute, ETS, Royer Center, CELT and Leonhard Center. Presentation teams will include faculty, staff and students. At both sessions, each team's 30-minute presentation will be followed by 60 minutes of roundtable discussion for which the team members will serve as facilitators.

The morning presentations were selected from invited proposals. At the end of the fall 2000 semester, departments with a strong history of dedication and innovation in teaching improvement and units that have been less involved but ready to make significant effort toward advancing teaching and learning initiatives were asked to participate.

Six departments or divisions were selected in January by a faculty committee to receive an award of \$25,000 each for one year's funding from the Office of the Executive Vice President and Provost, department and college support, and individual support gifts.

The objective of this Provost Department Demonstration Award is to enable units to make a significant and sustainable improvement in learning — resulting in unit-wide impact in the improvement of learning — through participation by many faculty and with leadership from the department head. The intent of the award is to impact several aspects of learning through multiple approaches, applied broadly across the program.

Morning demonstrations will include:

Physics Department Project

Physics: A New Approach for Non-Science Majors

The general education physics courses, designed for non-science and engineering

TAKE A JOURNEY AS A SCHOLAR

Faculty and academic support staff are invited to learn more about the University's effort to introduce new learning methods during a one-day colloquy being sponsored by the Teaching and Learning Consortium and co-sponsored by the Office of Undergraduate Education. The program, "Expanding Student-Centered Learning," will be held from 8:30 a.m. to 4 p.m. Wednesday, May 2, in the HUB-Robeson Center Auditorium at University Park.

The sessions will feature guest speakers, faculty and student demonstrations in the morning and afternoon and the opportunity to ask questions and share insight with peers. President Graham B. Spanier will be the first speaker. George Kuh of Indiana University will present the keynote address, "College Students Today: Why We Can't Leave Serendipity To Chance." Kuh is director of the College Student Experience Questionnaire Research Program and the National Survey of Student Engagement.



George Kuh

major, have received much less attention locally and nationally than other general education courses for science and engineering majors. There have been a few isolated efforts for enhancing these courses. However, there have been few systematic studies of student learning and effective teaching practices at this level. A concentrated effort will be expended to enhance the general education level physics course. Techniques will be incorporated, where applicable, that have been developed and tested in our calculus-based courses. Several new techniques will be introduced to enhance these courses. The most exciting of these is Focus Projects, which will allow students to explore the material using topics that appeal to their personal interests.

Efforts this semester include:

- ◆ Providing Web-based access to course materials such as lecture notes;
- ◆ Introducing computer-based homework assignments;
- ◆ Introducing computer-based reading

In separate sessions, "Journey as a Scholar" experiences will be shared by a student and a faculty member. Geoff Grivner, a junior majoring in political science who is also chairman of the TLC Student Team and the student trustee, will be the first speaker after lunch. Later in the afternoon, Richard Cyr, professor of biology, will present his perspective as a faculty scholar. The final speaker will be Executive Vice President and Provost Rodney Erickson.

Participants will be presented with the latest information on changes in the classrooms at Penn State. During the morning, the program will feature teams from six demonstration departments which will present, in parallel sessions, overviews of their initiatives to extend student-centered learning. Similar presentations will be given in the afternoon by representatives of support units including the Schreyer Institute, ETS, Royer Center, CELT and Leonhard Center. Presenters will consist of faculty, staff and students who also will lead roundtable discussions.

Online registrations for the one-day colloquy will be accepted at <http://schuyler.psu.edu/dept/tlc/events/colloquy.html> through Thursday, April 12. For more information, call the Teaching and Learning Consortium at (814) 865-4442.

quizzes to encourage students to read before lecture and come prepared for discussion; and

- ◆ Introducing projects carried out by groups of students and submitted for display on the course Web pages.

Future efforts will focus on evaluating the effects of each of these elements and tying them together in students' themes. These themes would span the course and would allow students to apply the material they are learning to areas of personal interest such as the physics of sports, physics and ballet, automobiles, physics in medicines, etc. The effectiveness of these changes will be studied in collaboration with the College of Education and the Schreyer Institute for Innovation in Learning.

Geosciences Department Project

Designing a Learner-Centered General Education Course

Nationwide, approximately 250,000 students each year take an introductory geol-

ogy course to develop science literacy and gain an understanding of how the earth works. Most of these courses, including Penn State's GEOSC 20, are constructed with a traditional lecture/lab format, with lecture sections with hundreds of students and labs loosely correlated in time and content to lectures. Experiences at Penn State have shown that this approach results in memorization of facts, rather than achieving the deeper understanding of process and analysis.

Participants have proposed redesigning the introductory physical geology general education course to emphasize learner-centered instruction. The first step is to develop a conceptual array of fundamental geological concepts and mythological tenets that we feel are important to students of all backgrounds. After establishing our conceptual objectives, the plan is to reinvent an introductory geosciences course that helps students master this material using pedagogically sound and interesting vehicles. The resulting course will be learner-centered, active, inquiry-based and collaborative.

Mechanical Engineering Department Project

Mechanical Engineering Case Studies on the Web

Examples from industry can serve as strong motivation in lecture courses. Results from experiments can be used to demonstrate both theory and experimental error analysis. Students gain better understanding of the theoretical analysis by immediately seeing an application of the theory. As a result, the focus of this project is on a case study Web site designed to be used in the junior-level undergraduate courses in mechanical engineering. The case studies come primarily from the senior-level design and laboratory courses.

As a result, students can begin learning design and data analysis methods in the junior-level courses using real problems and real experimental data. Use of these case studies offers a bridge between the last two years of the undergraduate education. It is believed that being introduced to the experiences that will be available to them in their senior year will provide additional resources and motivation for junior-level students.

Colloquy, page 2

Colloquy

Continued from page 1

Division of Education, Human Development and Social Sciences Department Project, Penn State Altoona

A Web-based Information Tool to Enhance Academic Performance

An interdisciplinary panel of presenters will describe a Web-based informational tool that allows students to engage in self-tracking of their learning and study strategies as well as self-identified personal health goals in order to increase their academic performance. The tool uses background algorithms to determine an academic "prescription" for the student. The "prescription" will target and seek to improve learning and study strategies (e.g. reading and test taking strategies). The tool also will provide a "prescription" for the student's self-identified personal health goals. Students have 24-hour access to the tool to receive information, as well as feedback and guidance relative to their academic and personal goals. Each student interaction with the tool within a 24-hour period provides a personal message, a reaction to the student's current status in regard to academic and personal goals and a menu for action. The tool provides academic performance tracking, links to Web-based tutorials for various learning and study strategies and personal health goals, and a timeline for recording of actions necessary to prepare for courses/assignments. The interdisciplinary panel of presenters will discuss the planning, development and future implementation of this Web-based tool.

Communications Disorders Department Project

Problem-Based Learning: Instructional Models Using Web-Based Technology

The long-term goal of this project will be to develop a series of instructional models that will enhance the use of problem-based learning in the classroom and everyday life situations. This pilot project will address both process and content issues in problem-based learning. Our focus will primarily be on process at this stage. Students will learn the "tools" for problem-based learning that will carry over into other academic subjects as well as their daily interactions. Specific content areas related to communication sciences and disorders will be targeted during the next stage of this project. A Web site will be developed with modules for specific courses that will be threaded throughout the undergraduate and graduate curriculum. Students will select online problems. Students will learn strategies for dealing with real-life problems and will be provided immediate electronic feedback based on individual selections. The project will be piloted in introductory courses and both quantitative and qualitative analyses will be conducted to determine the effectiveness of teaching problem-solving strategies using this technique.

School of Humanities Department Project, Capital College

Interdisciplinary Humanities Education through Creative Expression

Students and faculty from the School of

A MESSAGE FROM THE EXECUTIVE VICE PRESIDENT AND PROVOST

The Teaching and Learning Consortium (TLC) is organizing and planning a one-day colloquium on May 2. The meeting will convene in the HUB-Robeson Center auditorium on the University Park campus and is open to faculty, staff and students. All members of the TLC, as well as other faculty, are urged to attend. Attendance will be limited to 300. Registration is required and may be completed electronically at <http://www.psu.edu/dept/tlc/events/colloquy.html>.

The theme for the TLC Colloquy will be "Expanding Student Centered Learning" and it will emphasize department-wide projects on teaching and learning initiatives. Department and division heads are urged to attend with a team of faculty from their departments. Individual faculty are encouraged to attend as well. There will be a keynote talk given by George D. Kuh from Indiana University, who has been leading the National Survey on Student Engagement. There



Rodney Erickson

also will be 12 presentations on special department projects demonstrating initiatives for improving learning (six each in the morning and afternoon sessions). Each of these 12 will include small group discussions related to the various topics.

There will be a talk given by a faculty member on his journey as a teacher, researcher and scholar. There also will be a talk given by a student. This is a great opportunity to be part of information-sharing and discussions about the many activities under way at Penn State to improve teaching and learning. I urge you to consider taking the day of May 2 to participate in this celebration of teaching.

Humanities at Capital College's two campuses will demonstrate some of the teaching and learning practices resulting from existing faculty initiatives created before the school's involvement and some adopted after joint discussions among faculty at both campus locations. The presentations will range from no technology to an integrated learning experience deploying a wide variety of electronic resources and include:

- ◆ TLC Initiatives within the School of Humanities:
 - ◆ Collaborative Learning Activities in Western Tradition II;
 - ◆ The Adaptation of the Case Study Approach to Interdisciplinary Communications Education;
 - ◆ The Uses of Technology in English Education;
 - ◆ The Integration of Internships and Communications Education (COMCL, 01);
 - ◆ Web-based Instruction for American Studies; and
 - ◆ Modeling Classroom Discussions as a Mentoring Technique for Prospective Teachers.

The afternoon's Support Unit Project Presentations will include:

Department of Biology: An Engaged Learning Approach for Large Classes

Despite the proliferation of computer use in the classroom, little research has been conducted to demonstrate the effectiveness of such an approach—either in terms of costs or student performance. The Department of Biology, awarded a \$450,000 grant from the Andrew W. Mellon Foundation, is studying the impact technology on the traditionally lecture-based introductory course, Biology 110. The goal of the study is a more effective, efficient and productive

educational environment for large classes at the University. Biology 110 enrolls more than 1,000 students a year at University Park alone. Members of the Department of Biology anticipate the study of Biology 110 will begin in the fall semester, when some students will complete the course following its current, lecture-based design and others will use a more high-tech approach with portions of the course available on the World Wide Web. It is hoped that the study will help identify the type of students who learn better through the use of computers—something that could enable the University to better serve the specific needs of future students.

Department of Statistics: Applications, Technology, and Collaborative Learning in Statistics

The Stat 200 project involved restructuring a class having three lectures and two recitation meetings per week to one that has one lecture and two labs. It places responsibility for learning more directly in the hands of students, through collaborative learning. Students are given assigned readings and homework to do before class meetings and are asked to apply the concepts and techniques in computer labs. Instructional costs have been sharply reduced by using technology, student performance has been enhanced (about 15 percent to 20 percent), and new goals have been met resulting in students being able to perform statistical analyses and becoming better citizens in society.

Department of Industrial and Manufacturing Engineering: IME Inc. — A Practical Experience in Integrating Design, Manufacturing and Production

IME Inc. is a new, two-semester undergraduate course in which multidisciplinary student teams first design and prototype new products, and then produce them in volume,

Students must design a marketable product and consider all aspects of manufacturing and business including marketing, costing, process planning, tooling, assembly and outsourcing so they can produce approximately 100 units using the new Factory for Advanced Manufacturing Education. Recent experiences using IME Inc. as a "living factory" and integration involving students from business and other majors such as mechanical engineering and electrical engineering also will be discussed.

Department of Curriculum and Instruction Project

Student Engagement and Integrated Learning through Web-based Portfolios

In this session, presenters will describe how Web-based portfolios are used to engage students majoring in elementary education in meaningful reflection on course activities and field experiences. The task requires students to collect and synthesize evidence of their developing knowledge, skills and dispositions associated with learning to teach. The influence on student learning and the "value-added" of the Web-based nature of the project will be addressed.

School of Information Sciences and Technology

Classes of Problems — IST 110 and 250 Experiences

The recent opening of the School of Information Sciences and Technology allows the faculty to develop a curriculum that, from its inception, incorporates problem solving, communication and team-working skills as integral elements of each course. IST 110 is the required introductory course, designed for students who want to learn what IST means. IST 250 is an optional course for majors and is required for associate degree students. It focuses on Web site development skills, techniques and concepts. Classes have been designed to incorporate real-world problems that demand teamwork and problem solving, that illuminate the technical, informational and people-oriented aspects that define the program. Both classes are in their third semester of being taught in the problem-based format with more than half of the faculty involved in their teaching.

Commonwealth College Collaborative Curriculum Design: The BSB Program

The four-year business program offered through the Commonwealth College System was designed by a team of faculty members to equip students with the content, skills, and experience to address the current business profession and adapt to the ever-changing workplace of the future. With great emphasis on student-centered and team learning, the program engages students in application-based business projects; develops broad communication skills including negotiation skills; and features state-of-the-art technology. This presentation will address the collaborative efforts required to put a student-centered curriculum together and the strategies needed to sustain the collaboration.

Q&A:

John Brighton discusses where the TLC has been and where it's going

The University-wide Teaching and Learning Consortium (TLC) is nearing the end of its second year and those closely involved continue to work toward improving teaching and learning at the University. The TLC, led by John



John Brighton

Brighton, works with faculty and academic units, including the Center for Excellence in Learning and Teaching (CEL), Schreyer Institute for Innovation in Learning, Schreyer Honors College, Leonard Center, Center for Education Technology Services and The World Campus.

The TLC is working to facilitate collaboration and creating opportunities for sharing teaching innovations and experiences.

"At Penn State, we are seeking to take a major step to improve learning. Several initiatives have taken place over the past 10 years, positioning us to make an institutional move to change the learning culture to one that is more student-centered, integrates undergraduate teaching with research and advances the use of technology in learning," says Brighton.

President Graham B. Spanier created the TLC in July 1999 and assigned it the objective of helping significantly advance the learning experiences of students. The Teaching and Learning Consortium initiative was created in response to one of the overarching goals outlined in the University Strategic Plan: "... to provide the best possible learning experiences for our students.

In a recent interview, Brighton answered questions, which will help faculty, support staff and students become more familiar with the goals of the TLC.

Q: What are the purposes of the Teaching and Learning Consortium?

A: The primary purpose of the TLC is to promote, facilitate, communicate and recognize the transformation of learning, including learning already in progress at Penn State. The role of the TLC is not to duplicate what already is being done in the different units but rather to assist in accelerating those efforts across the full breadth of the University.

A second purpose of the TLC is to develop leadership for continuous improvement of teaching and learning. This is done by creating special groups to discuss, guide and implement change. Workshops and special programs, such as the May 2 TLC Colloquy, will be implemented to further enhance leadership for improvement of teaching and learning.

Q: How is the Teaching and Learning Consortium organized?

A: The TLC's membership includes approximately 130 people who want to see the learning experiences of the students improve across the University at a faster pace. The Consortium uses a team approach

throughout. The first step was to establish a Steering Team to provide the Consortium with University-wide guidance. The Steering Team includes faculty and administrators who lead units and groups focused on improving learning. There are nine other teams including the Planning and Evaluation Team, Coordinating Team (consisting of chairs of all of the TLC teams), Department Head Team, Faculty Team, Teaching Assistant Team (including graduate and undergraduate students who have been involved in teaching and share a strong interest in improving learning), Student Team (undergraduate and graduate students), E-Education Council (focused on faculty support for use of technology, integrating technology into use by teaching assistants and assessment of learning with technology, etc.), Communications Team and the Affiliate Team (comprised of faculty with a strong interest and background in teaching and learning).

Q: What are the "best practices" that have been recommended for TLC to initiate?

A: The department head/division director team has recommended 14 "best practices" including having new faculty candidates provide a seminar on teaching, holding workshops on teaching for new faculty prior to their first semester, establishing a department-based teaching/learning group to discuss and develop new methods, encouraging faculty development of teaching portfolios and developing a reward structure for recognizing effective teaching and learning. A complete list is available on the TLC Web

site at <http://www.psu.edu/dept/tlc/teams/depthead/bestpractices.html>

Q: What changes will students experience?

A: TLC promotes an active and collaborative learning environment, including greater student-to-faculty and student-to-student interaction; individual study balanced by experiential learning, including co-curricular activities, internships, problem-based learning, study abroad and service learning; and greater emphasis on communication, presentation, problem solving, interpersonal skills and ethics, varying forms of teamwork and greater student involvement in setting the emphasis and direction of learning.

Q: What will be the new experiences gained by the faculty?

A: The TLC will assist academic departments' initiatives to improve learning. While the TLC emphasizes teaching and learning we recognize that they are intimately linked with scholarship and research. The importance of integrating discovery and research into an active and collaborative learning environment is critical for a balanced learning experience.

Q: Will faculty and students be working together to make changes?

A: Definitely. I think addressing issues of student learning and looking for ways to improve the student experience are some of the most important things we do in a university. I feel it is important for students and faculty to get together in a collaborative way to

share ideas and see how we can do even more to improve teaching.

It's the kind of culture in which faculty and students work in teams to educate each other, information technology is used in innovative ways and courses interlink with and support each other. Most of the methods already are happening across the Penn State system. Focus needs to be placed on the students to help a new academic culture take root and flourish University-wide.

Q: Where is the TLC headed in its third year? Where do you see it on its fifth anniversary?

A: This summer we are planning on providing special workshops for faculty to help them develop new skills in support of teaching. These will include such topics as problem-based learning, methods for effective use of student teams, use of technology in support of teaching, use of journals and portfolios for reflective learning, learning assessment and others. Over the academic year we will continue to offer seminars and workshops for faculty and continue to focus on special department-wide efforts on improving learning.

On the fifth anniversary we would like to see what faculty, department heads and students have defined as best practices for learning being used at a much higher level. We also would like to see students engaged more actively, as individuals and as teams, in learning and to see the students more engaged in working with faculty in developing the learning objectives and activities.



Richard Cyr, professor of biology, will present his perspective as a faculty scholar, during the Teaching and Learning Consortium colloquy Wednesday, May 2, at the HUB-Robeson Center Auditorium on the University Park campus. With him is Nelson Hayes, teaching assistant.

Photo: Greg Grieco

TLC provides plenty of learning opportunities

Members of the Teaching and Learning Consortium have been increasing their knowledge of new methods for learning as well as offering similar opportunities to Penn State faculty, support staff and students. Before the May 2 TLC Colloquy, there will be three specific opportunities for the Penn State community to learn more about changes in higher education. The TLC Colloquy will be held in the HUB-Robeson Cultural Center at University Park. For information and registration check the Web at <http://www.psu.edu/dept/tlc/events/colloquy.html>.

The schedule follows:

- ◆ **March 30–April 1: Schreyer National Conference: Innovations in Undergraduate Research and Honors Education** at The Nittany Lion Inn, University Park. Join the national dialogue on honors education and learn the latest about integrating teaching and research, and models in undergraduate research. For up-to-date information and a printable registration form, visit the Web at <http://www.shc.psu.edu/>.

- ◆ **April 7: Technology in Teaching and Learning**, 9 a.m. to 4 p.m., Joab L. Thomas Building, University Park. For information, check the Web at <http://www.cac.psu.edu/training/ttl/>.

- ◆ **April 12: Quality Expo 2001: An Innovative Odyssey of Discovery**, 10 a.m. to 2 p.m., The Nittany Lion Inn Ballroom, University Park. For more information, check the Web at <http://www.psu.edu/dept/president/cqi/expo2001/index.htm>.

Some of the learning experiences in which TLC members participated last year and in which they will participate this year include:

◆ July 2000: TLC Planning Team Attended AAHE Summer Academy

Members of the TLC Planning Team attended the AAHE Summer Academy in Utah with a project involving a specific set of objectives to accomplish at the meeting. They were:

- Reviewing the TLC's work for 1999–2000;

- Making appropriate changes in structure and activities for 2000–2001;
- Making appropriate changes in teams within the TLC;

- Establishing strategies for change in the culture of learning at PSU;

- Establishing a framework for workshops, retreats, etc. for improving learning;

- Developing an approach for engaging the academic units in improvements of learning;

- Developing an approach for engaging the academic support units in improvements of learning; and

- Establishing measures and evaluative approaches for assessing progress.

◆ Nov. 2: Academic Leadership Forum and Faculty Workshop

Ted Marchese, managing director, Academic Search Consultation Service, was the invited guest at the Academic Leadership Forum, sharing his expertise in a presentation titled, "New Conversations on Learning." The half-day session enabled department heads to participate



Geoff Grivner is chairman of the TLC Student Team and the student trustee. He will discuss "Journey as a Scholar" during the Teaching and Learning Consortium's colloquy Wednesday, May 2, at the HUB-Robeson Center Auditorium on the University Park campus. Grivner's presentation will be right after the luncheon.

Photo: Greg Grieco

in group discussion. Marchese also conducted a half-day workshop specifically for faculty in the afternoon hours. The keynote presentation from the Academic Leadership forum was videotaped and is available on the TLC Web site at <http://www.psu.edu/dept/tlc/events/al/2000/index.html>.

◆ Nov. 14: Conversations on Best Practices for TAs Preparing for Teaching Workshop

The Teaching Assistant Team held a workshop titled, "Conversations on Best Practices for TAs Preparing for Teaching." The workshop provided a forum for colleges and departments with TA programs identified as being successful to share the structure and outline the makeup of their TA programs. The Colleges of Engineering and Communications, Departments of Chemistry, Physics, Curriculum and Instruction, and English gave presentations. The result of the workshop will be a report of effective practices for successful TA programs. This report is being authored by the TA Team, which conducted in-depth interviews with each of the presenting colleges and departments. This

report will be shared University-wide to allow inquiry and feedback from other departments.

◆ Nov. 17: Course Portfolio Workshop by Barbara Cambridge

The TLC sponsored a workshop on course portfolios, featuring Barbara Cambridge, vice president for programs and director, Carnegie Academy Campus Program. Cambridge provided information on what the course portfolio is and how portfolios can be used effectively. The course portfolio is a more-focused version of the teaching portfolio and has the distinctive advantage of representing the intellectual integrity of teaching as reflected in a single course.

◆ Nov. 19–21: Executive Leadership and Management Program

The success of the Teaching and Learning Consortium in meeting the objectives of transformational improvement of learning will rely on effective leadership in the University at all levels. The leadership at the department head level is especially important and particularly challenged. A program has been designed by the Penn State Executive Programs especially for academic department

heads. The program consists of three parts:

- The cycles of organizational change and the implications for leaders;
- Self-assessment and job skills required — including input on leadership style from workers in your organization; and

- Team-building with an outdoor experience.

The program is highly interactive and includes discussion of case examples of academic leadership challenges.

— March 1: Process Education Workshop featuring Dan Apple

The TLC remains active throughout the year with regularly scheduled team meetings, workshops and retreats. The TLC sponsored the Process Education™ Workshop featuring Dan Apple, who is regarded as one of the foremost experts on Process Education™, devoting time to authoring papers and books, leading workshops and Teaching Institutes, and spending hundreds of hours consulting each year to improve key educational processes. About 80 faculty members attended the one-day workshop.

— May 2: TLC Colloquy

The TLC-Colloquy will feature guest speakers, faculty and student demonstrations in the morning and afternoon and the opportunity to ask questions and share insights with peers. President Graham B. Spanier will be the first speaker. George Kuh of Indiana University will present the keynote address, "College Students Today: Why We Can't Leave Serendipity To Chance." Kuh is director of the College Student Experience Questionnaire Research Program and the National Survey of Student Engagement. In separate sessions, "Journey as a Scholar" experiences will be shared by a student and a faculty member. The final speaker will be Penn State Executive Vice President and Provost Rodney Erickson.

— June 2001: Faculty Summer Academy

One of the concerns for faculty that surfaces most frequently in discussions is the difficulty faculty have in getting time to develop new skills and methods (or updating current methods) for improving teaching. The purpose of this program is to provide an opportunity to work full-time during a period to develop those skills. A program is in development in which faculty may participate during the summer on a full-time basis where new teaching skills may be developed. The plan is to do this at a time other than during the academic year when faculty are not involved in teaching. This year's program is planned for the week of June 11.

Sessions may include:

- Technology for supporting teaching and learning;

- Problem-based learning;

- Successful management of teams;

- Readiness Assessment Tests

(RATS);

- Active and collaborative learning in large classes;

- Web-based learning portfolios;

- Teaching Freshman Seminar; and

- A Course in Teaching.



University Park Calendar

March 30 - April 9

SPECIAL EVENTS

Monday, April 2

"The Chihuahuan Desert Geologic Story of Arizona Deserts (Earth Explored)," video, 12:05 to 1 p.m., 105 Deike.

Wednesday, April 4

"Roar for Wellness," second annual wellness fair, 11 a.m. to 2 p.m., Hetzel Union Building Alumni Lounge.

"Disasters — America's Dilemma," video, 12:05 to 1 p.m., 105 Deike.

Monday, April 9

"Lighting the Frontier — The Story of Colorado's Florence Oil Field, Oil and Gas Operations Offshore," video, 12:05 to 1 p.m., 105 Deike.

MUSIC

Friday, March 30

Planiar Steven Smith, solo recital, 8 p.m., Esber Recital Hall, Music I.

Thursday, April 5

The Diana Singers, Lynn Drafall, director, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

Saturday, April 7

98 Degrees, with special guests Baha Men, Dream and Debele Morgan, 7:30 p.m., The Bryce Jordan Center.

SEMINARS

Friday, March 30

David McNear on "Speciation and Liability of Lead in Rifle Range Impacted Soils," 3:35 to 4:25 p.m., 1D1 Agricultural Sciences and Industries.

C. Gregory Knight on "Vulnerability to Climate Change: The Bulgarian Example," 4 p.m., 3D1 Steidle.

Tuesday, April 3

Charles Eggleton on "Tipstreaming from a Drop in an Extensional Flow in the Presence of Surfactants," 10 a.m., 140 Fenske Laboratory.

Charles Longino on "Retirement Migration Streams and Trickle: Trends and Implications for Retirement Communities," noon to 1 p.m., 4D6 Oswald Tower.

Jonathan Culler on "The Genius of Roland Barthes," 12:15 p.m., 1D2 Kern.

Jonathan Culler on "The Novel and the Nation Today," 2:30 p.m., 3D6 Burrows.

Gene Mele on a subject to be announced, 3:30 p.m., 339 Davey Laboratory.

James M. Anderson on "Biomedical Polymers and Foreign Body Interactions," 4 p.m., 22 Deike.

Wednesday, April 4

Charles Longino on "Myths of an Aging America," noon to 1 p.m., 108 Wark Laboratory.

Joss Rose on "Glucanase Inhibitor Proteins: A New Weapon in the Arms Race Between Plants and their Pathogens," 12:20 to 1:10 p.m., 1D5 Wark Laboratory.

Steven Arnold on "Structural Finite Element Analyses at NASA GRC," 3:35 p.m., 114 Earth and Engineering Sciences.

M. George Cradford on "The Visible Light Emitting Diode Revolution: Trends, Emerging Applications and the Potential for Solid State Illumination," 4 p.m., 189 Materials Research Laboratory.

Thursday, April 5

M. George Cradford on "Visible LED Technology Issues, Recent Developments and Areas for Future Research," 4 p.m., 189 Materials Research Laboratory.



The exhibit "Everyday Use" is a collection of paintings by Helen Klebesadel, associate professor of art at Lawrence University in Appleton WI. These watercolors are naturalistic representations of quilts. Klebesadel's exhibit is a tribute to the women in her family who presented their creative voices to the world through their needles and cloth.

Marta L. Werner on "Were Seas to Cross to Come": Crossing and Crossing Out in Emily Dickinson's Manuscripts," 4 p.m., Foster Auditorium, Pattee Library.

Rocky Kolb on a subject to be announced, 4 p.m., 117 Dmsnd Laboratory.

Karin Issa on "e-Business and Marketplaces," 5:45 to 7:30 p.m., 102 Forum.

Charles H. Thornton will focus on the history of high-risk construction, specifics on the design of the Petronas Twin Towers and industry trends, 7:30 p.m., Applied Research Laboratory Auditorium.

Friday, April 6

Mingxin Guo on "Nitrogen Leaching from Weathering Spent Mushroom Substrate Under Lab Conditions," 3:35 to 4:25 p.m., 1D1 Agricultural Sciences and Industries.

Jorge Schenmet on "From Universal Access to Universal Service: Americans and the Digital Divide," 4 p.m., 3D1 Steidle.

Rev. Irene Monroe on "Queerly Religious: Issues of Spirituality in the LGBT Community," 8 to 10 p.m., Eisenhower Chapel.

Monday, April 9

Dr. Nawal el Saadawi on "Creativity, Politics and Women," 4 p.m., Heritage Hall, HUB-Robeson Center.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Everyday Use," paintings by Helen Klebesadel, through May 3.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

Exchange exhibition with the University of Wisconsin, through April 26.

"Wrapping Up," photography by Dan Saellinger, through May 1.

Kern exhibit area

"Lego Sculptures," by Alpha O. Harrison, through April 4.

"Retreat" photography by Jason Fagone, through May 16.

Commonwealth College Faculty Books, through April 3D.

Palmer Museum of Art

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Daguerreotype Portrait in America," through May 20.

"An Artistic Friendship: Beauford Delaney and Lawrence Calcagno," through May 13.

Pattee and Paterno Library exhibit areas

"A Celebration of Women's History at Penn State," Pattee Library, through April 27.

"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetter and Chris Gaines Memorial Library Collections," through May 15.

Pennycuill Caxton Bible, through April 13.

"Penn State Commission for Progress," Pattee Library, through April 27.

"Overlooked Visions of the Past Century," 109 Pattee, through April 27.

"The Digital Photography Studio, Student Photographs," 1D9 Pattee, through May 20.

"Moods of Contemplation," photography by Amanda N. Wise, through May 2.

"West Halls exhibit area

"Photographic Ethnobotany: Peruvian Plants and People" by Benjamin Chermal, through May 13.

For a full listing of University Park activities, including sporting events, go to the Web at <http://aac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Appointments

College of Health, Human Development appoints associate dean

Karl M. Newell, professor and head of the Department of Kinesiology in the College of Health and Human Development, has been named the college's associate dean for research and graduate education effective July 1.

Newell has been a faculty member with the University since 1992 and became head of the Department of Kinesiology in 1993. Before that, he was a faculty member at the University of Illinois at Urbana-Champaign for 19 years. During his tenure at Illinois, Newell served in various capacities, including head of the Department of Kinesiology from 1985 to 1992.

Over the course of his academic career, Newell's research has focused on motor learning and control approached from a broad life-span perspective. This work has evolved over the years into an interdisciplinary endeavor that melds concepts from



Karl M. Newell

psychology, neurophysiology and physics to investigate the roles of information and dynamics in the regulation of movement in physical activity. He has published his findings in six books, nearly 70 book chapters and nearly 150 journal articles.

He is a member of Phi Kappa Phi, a Fellow of the American Academy of Kinesiology and Physical Education and a past recipient of the Senior Scholar Award from the North American Society for Psychology and Sport Activity.

Newell received his certificate of education from the University of Nottingham and his diploma (First Class Honors) from the Loughborough College of Education in 1967. He received his master's and doctoral degrees in physical education from the University of Illinois in 1970 and 1973, respectively.

Director appointed for International Education Programs

John M. Keller has been named director of International Education Programs and Studies (traditionally known as study abroad) in the University Office of International Programs (UOIP).

From 1991-1998, Keller was the associate director of the University's Australia-New Zealand Studies Center, a unit of the Intercollege Research Program. In July 1998 he joined UOIP as faculty Fulbright adviser, public affairs coordinator and executive editor of the twice-yearly publication, *International Mosaic*. Keller also teaches communica-



John Keller

tions in the College of Health and Human Development and edits *Marquee*, the newsletter for the School of Hotel, Restaurant and Recreation Management.

Before coming to the University, Keller spent 28 years in international public affairs as a diplomat with the U.S. Foreign Service. He managed public affairs programs for American diplomatic and consular missions in Italy, Vietnam, Malaysia, Zaire, Jamaica and Australia. He also worked at the White House as publicaffairs coordinator in the Office of Drug Abuse Policy.

Warren named director of Farrell Center for Entrepreneurship

Anthony C. Warren is joining The Smel College of Business Administration as director of the Farrell Center for Entrepreneurship and as the Farrell Clinical Professor of Entrepreneurship.

Warren will guide the teaching and practice of entrepreneurship as well as relationships with the entrepreneurship and venture capital communities, and direct the advancement of research in that area. He will assume his new responsibilities on May 1.

Pittsburgh businessman Michael J. Farrell, president and CEO of Farrell and Co., and his wife, Christine, have committed a total of \$4 million to endow the Farrell Center and Chair of Entrepreneurship. The endowment created by the Farrells' gift will support graduate and faculty research, in addition to the operations of the center.

Last year, Warren formed Strategic Technologies LLC, a boutique investment bank in Princeton, N.J., for technology-rich companies seeking to sell part or all of their assets. In 1987, he started TMF LP, a

venture firm making investments in "seed-stage" firms receiving equity for structuring corporate partnering contracts. In addition, he also is a venture partner with Adams Capital Management, a nationwide early-stage venture capital firm headquartered in Pittsburgh.

Warren received a bachelor's degree and doctorate in physics from the University of Birmingham in the United Kingdom. After postdoctoral work at the Universities of Toronto and Illinois, he returned to Europe to undertake research on electrical power generation before joining an embryonic consulting firm, PA Technology, in Cambridge, United Kingdom, where he stayed for 17 years.

He taught physics at the University of Toronto, and contributed to master of business administration courses at Columbia and New York University as well as the outreach programs at Penn State, Rutgers University, University of Maryland and SUNY. He has published extensively in the scientific, technical and business media.

AWARDS

Assistant professor is honored with NSF award

Rick O. Gilmore, assistant professor of psychology, is the recipient of a National Science Foundation (NSF) Faculty Early Career Development Award for research in spatial perception in early infancy.

Gilmore, head of the Brain Development Laboratory in the Department of Psychology, is principal investigator on the five-year project, which was awarded \$394,070.

The program is a foundationwide initiative that offers NSF's most prestigious awards for junior faculty.

The NSF research project will examine how spatial perception and action planning develop in early infancy and what factors influence their development. It will study how infants develop the ability to perceive where their bodies are located in space and which way they are moving. This information is crucial for maintaining balance,

crawling and walking. The research will provide data that does not currently exist about how these abilities are related to changes in vision that occur early in life.

In addition, the educational activities in the research project will provide students with the latest methods for planning and carrying out research in developmental cognitive neuroscience, the field that studies how the mind and brain develop.

Gilmore is the author of several articles and book chapters, and his book, *Brain Development and Cognition: A Reader*, second edition, with M.H. Johnson and Y. Munakata is forthcoming. He received his bachelor of arts in cognitive science from Brown University and his master of science and doctorate degrees in psychology from Carnegie Mellon University.

Commission for Women honors several

At its annual spring banquet, the Commission for Women awarded the Rosemary Schraer Mentor Award to Billie S. Willis, assistant vice president for Human Resources. Willis, who has been with Penn State since 1989, is responsible for management of all aspects of human resources, including training and development, employment and compensation, benefits, wellness and labor relations at all University locations.

The award, created in memory of Rosemary Schraer, former associate provost for Penn State, honors a current University employee who has excelled in helping others to recognize and achieve their potential professionally and personally. Schraer, who died in 1992, joined the University in 1959 as a faculty member in the Eberly College of Science and through her 26-year tenure, was noted for her mentoring abilities. In 1985, she accepted a position as executive vice chancellor and then chancellor of the University of California, Riverside. The award recognizes individuals who have advised, facilitated, encouraged or paved the way for others.

The commission also recognized Achieving Women at the banquet. These women are honored for their leadership and mentoring activities. From the more

than 70 nominations received, 14 were chosen to be honored.

The winners are: Jerusha Achterberg, undergraduate student, Department of Anthropology and Schreyer Honors College; Annie Burns, undergraduate student, Department of Nutrition and Schreyer Honors College; Renee Diehl, professor, Department of Physics; Audrey Ellison, graduate student, Department of Counseling Psychology; Carolyn Fisher, director of human resources, Auxiliary and Business Services; Kenya Goins, graduate student, Department of Environmental Engineering; M. Kathleen Heid, professor-in-charge of mathematics education, Department of Curriculum and Instruction; Nancy Ellen Kiernan, program evaluator, Office of the Director of Cooperative Extension and associate dean; Laura Mamey, groundskeeper, landscape, Office of Physical Plant; Marylouise Martz, coordinator of student health services, Penn State Harrisburg; Janis Smith, coordinator of research initiatives, Office of the Vice President for Research; Anne Stover, administrative assistant, Department of Physics; Mary Judith Tvetheia, professor, Department of Microbiology and Immunology; and Lois Weaver, resident utility worker, Office of Physical Plant.

Spring ahead



When people tell you that you're an hour late for something on Sunday, April 1, it may not be an April Fool's Day joke. April 1 marks the start of Daylight Saving Time, so don't forget to set your clocks ahead an hour before going to sleep Saturday night.

University paper trail leads to electronic filing

By HEATHER HERZOG

Computer and Information Systems

An electronic revolution is quietly sweeping the University that has many staff assistants and administrators smiling.

Penn State is now one of a small handful of institutions embracing digital filing or "imaging" — a process that helps offices decrease costs and boost efficiency, according to the staff members using it. Divisions such as Development and Alumni Relations, University Police, Human Resources, Telecommunications and Undergraduate Admissions have been digitizing large portions of their paper records, and in some cases dispensing with the hard copies altogether.

The imaging process, which involves scanning records such as financial documents, receipts, applications or transcripts into a secure password-accessible database, and then setting up an electronic filing system to manage the documents, is enabling simultaneous information exchanges that wouldn't have been possible in the past.

"We created a Web-based electronic record system in our office to increase accessibility and to make it extremely efficient to share information," said Bruce Kline, assistant director of University Police. "Electronic filing is making it possible for us to instantly and securely share crime evidence with co-workers, departments and even detectives in other states or countries if necessary."

Kline adds that his interest in building an imaging system for University Police began about six years ago when a group, known as the University Imaging Committee, was appointed to evaluate whether adopting large-scale scanning technologies would be cost-effective for the University. The committee found that maintenance of traditional paper filing systems was extremely expensive (for example \$900 to \$2,520 to maintain one file cabinet), and in 1999 it recommended that the University purchase a software license from Optical Image Technology Inc. (OIT).

Since the inception of the OIT contract many University offices have begun implementing imaging projects and to date, 13 units have developed fully functioning optical image processing systems.

Although Penn State is one of only a few universities promoting imaging University-wide, colleges across the country are increasingly moving administrative services to the Internet as a way to improve communication with students, increase efficiency and reduce costs. According to a National



Network administrator Phil Pruszkowski reviews the process while electronic file room entry person Tracey Shilling scans applications into the Admissions imaging system.

Photo: Greg Grieco

Association for College Admission Counseling survey conducted recently, online admissions applications were available at 77 percent of colleges last year — up from 68 percent in 1998. Other institutions, such as Ohio University and Washington State, have joined Penn State in setting up large-scale Web-based document management systems in areas such as accounting, human resources, admissions processing and library services.

"Each year, Penn State has approximately 50,000 undergraduate applicants and each of these individuals has a file that contains between 10 to 50 documents, such as applications, transcripts, recommendations and other forms," said Mark Weaver, director of Information Systems at Penn State's Office of Undergraduate Admissions. "Since it's necessary for our office to store these files for four years and simultaneously make them accessible to admissions counselors across the University — organization of paperwork was an enormous undertaking for us in the past."

Weaver explains that over the past two years the Office of Undergraduate Admissions was able to greatly reduce the paper

management problem by setting up a scanning and indexing process that immediately assigns applicants with a bar code and a digital folder which not only keeps Web-based images of transcripts and other documents, but automatically kicks out notification to potential students that their application has been received by Penn State. Beginning in October last year, the Office took the added step of shredding application records after they digitized them, to help reduce storage requirements and avoid duplication. Elimination of the hard copies resulted in the recovery of more than 600 square feet of premium office space.

Admission counselors at other University locations are especially pleased with the Web accessible files, since in the past they often had to wait a week to receive the contents of an applicant's folder because these were faxed from an off-site storage area at University Park.

"Staff members at University Police Services also often had to go off-site for certain files," added Kline, "so it sometimes took two to three days to retrieve documents that may have been critical evidence in a case. Now anyone with appropriate security clearance

has direct access."

Kline envisions that detectives in his office will soon be using imaging to share photos and other evidence with district attorneys and judges — and, in the not-so-distant future, juries will only need to connect to the Internet to view video depositions or photos during a courtroom trial.

Other Penn State divisions also have an eye toward the future. Mark Rudloff, senior systems analyst at Development and Alumni Relations reports that an automated "work flow" imaging system he recently implemented with the OIT software made it possible for a significant portion of the data in his office to be processed with minimal human intervention. "As initiatives like the Grand Destiny Campaign result in a tremendous increase in gifts to Penn State," he added, "imaging is a technological solution that allows us to do more with less, so we can continue to expand as the University grows."

Still, according to Karen Schultz, director of Client Services and Administrative Support at the Office of Telecommunications and chair of the University Technical Imaging Group, there are some obstacles Penn State will need to overcome in order for imaging to become widely adopted by offices and departments. For example, although electronic filing saves money in the long run, some units are unable to cover the immediate start-up costs required in implementing imaging software.

But Schultz said that the Technical Imaging Group is currently working with the Office of Administrative Systems (OAS) to create strategies that she hopes will address funding issues for these units, adding that the rewards far outweigh any problems that come up along the way.

"The structure is in place and our licensing agreement with OIT makes it relatively inexpensive for University offices to do this," she said. "Imaging can provide rapid, accurate and secure access to information throughout the University, eliminating a great deal of administrative inefficiency."

To learn more about imaging, visit <http://ais.psu.edu/documents> or attend the Continuous Quality Improvement (CQI) Expo on April 12 at the Nittany Lion Inn. Visit booth No. 5 to see demonstrations of imaging technology and to talk to representatives from offices which have implemented imaging projects. For information about the demonstrations, e-mail Schultz at karens@psu.edu

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University ranked in top 10 with alumni serving overseas as Peace Corps volunteers

With 56 of its alumni serving in the Peace Corps, the University ranks 10th on the 2001 list of universities with the most alumni volunteers working overseas for the organization.

Information released this month by the Peace Corps shows that alumni are serving in 41 countries, mostly training teachers in such topics as English, math and science. Since its founding in 1961, the Peace Corps has had 660

alumni work in 105 countries, according to Peace Corps spokesperson Elizabeth Kramer.

Penn State is the only Pennsylvania institution among the top 25 universities on the 2001 list. Among Big Ten schools, only the University of Wisconsin-Madison and the University of Michigan have more Peace Corps volunteers than the University.

"The strong showing of colleges from so many different

parts of the country illustrates that many students today are solidly dedicated to service and deeply value the unique experience Peace Corps offers," said Peace Corps acting director Charles Baquet III.

Overall, more than 7,300 volunteers and trainees are serving in 78 countries this year — the highest level in 26 years. For information about the Peace Corps, visit <http://www.peacecorps.gov>



Private Giving

Wilkes-Barre gives with whole heart a whopping 99 percent

By LAURA STOCKER
University Relations

The faculty and staff at Penn State Wilkes-Barre have an almost perfect record — an astounding 99 percent participation in their segment of the University's Grand Destiny Campaign, since the University-wide fundraising effort began on July 1, 1996.

That success comes as no surprise to Kathy Pesta, financial aid counselor, who co-chaired the 2000-2001 Annual Fund for Academic Excellence drive at the campus. The small, tight-knit campus enjoys a remarkable feeling of community.

"I feel there's a strong sense of family here all the time," she said. "We really try to reach everyone in a personal way. When a student first comes to Penn State Wilkes-Barre, a sense of being invited into a family exists on our campus."



THE PENN STATE
CAMPAIGN

Penn State
Wilkes-Barre has 58
full-time and 62

part-time faculty and staff, with a student body of 831. During the current academic year, 69 students received scholarships as a direct result of the campus's faculty and staff campaign. The primary focus is on student scholarships, although faculty and staff had the option to support various areas including academic programs and faculty and staff professional development. The campus is one of three in the Commonwealth College that conduct an annual fund

Leading the Way

The Faculty and Staff Campaign 2001



"I feel there's a strong sense of family here all the time."

Kathy Pesta



"The faculty and staff here have always cared, have always been involved."

Chuck Ghilani

drive to solicit gifts from alumni, friends and the local community.

Pesta said that her job as financial aid counselor enables her to see the importance of attracting and retaining the best students. The faculty and staff at Wilkes-Barre are keenly aware of the fierce competition locally for scholarships.

"I really see the difference in the students' lives," she noted. "We realize that there are students who couldn't attend

our campus if scholarships were not available."

This year's Annual Fund campaign was conducted with a fairly traditional approach. When faculty and staff couldn't attend events, Pesta and her co-chair Chuck Ghilani, associate professor of engineering/surveying, brought the campaign to them, approaching each one on a personal basis.

"We didn't pressure them," explained

PARTICIPATION BY UNIT

Top Faculty and Staff Campaign participation by unit as of March 2:

Penn State Wilkes-Barre	99.0%
Development & Alumni Relations	99.0%
Undergraduate Education	94.5%
Intercollegiate Athletics	83.3%
Penn State Worthington Scranton	81.6%
Penn State Great Valley	80.6%

University-wide average as of March 2	46.8%
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Pesta. "We simply asked them to keep in mind the needs of the students."

Pesta pointed to the support of Jane Kanyock, director for institutional advancement, and Anne Saxton, alumni and development specialist, as critical for her and Ghilani's success as co-chairs.

Kanyock emphasizes that the faculty and staff at the campus still face a challenge, since the Wilkes-Barre segment of the overall Grand Destiny Campaign has not yet been launched publicly. At the upcoming kickoff scheduled for August, she hopes that the faculty and staff of the campus will once again rise to the occasion.

"The faculty and staff here have always cared, have always been involved," said Ghilani, who resists the idea that he personally had much to do with this year's campaign success. "My motto was 'give early, give often.'" He said.

Apparently his colleagues took him to heart.

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lstoker@psu.edu

PROMOTIONS

Brian L. Hoover, construction quality representative in Office of Physical Plant
Chris E. Jabco, advanced engineering aide in Office of the Vice President for Research

Krista H. Jolley, staff assistant VI in Student Affairs

Cynthia L. Kellerman, assistant manager, creamery in College of Agricultural Sciences

Sandra L. Knight, administrative assistant III in Applied Research Laboratory

Jane K. Kone, financial aid coordinator in Office of Student Aid

Kay F. Kustanbauer, director of development I in the Division of Development and Alumni Relations

Douglas C. Markley, research support associate in Office of the Vice President for Research

Joanna I. Mauger, research coordinator II

in College of Health and Human Development

Katherine M. McWilliams, staff assistant VII in Office of the Corporate Controller

Robert E. Miller, network coordinator in Computer and Information Systems — Telecommunications

Carole B. Morey, staff assistant V at Penn State Erie

Ramona J. Muzzio, staff assistant VI in College of the Liberal Arts

Shuchi K. Nalpa, senior support and training analyst in The Smeal College of Business Administration

Stephen G. Newburg, customer service representative in Office of Physical Plant

Thomas R. Palchak, manager, University Creamery Services in College of Agricultural Sciences

Patty J. Pooman, staff assistant IX in Commonwealth College — Central Administration

Connie J. Ripka, staff assistant VI in Office of the Corporate Controller

Kathy S. Rodack, senior data manager in Division of Outreach and Cooperative Extension

Angela M. Sabol, research technologist in College of Health and Human Development

Karen L. Schultz, director of telecommunications in Computer and Information Systems — Telecommunications

Louisa N. Shawver, staff assistant VIII in College of the Liberal Arts

Sherril L. Shawver, college relations assistant in College of the Liberal Arts

Robert T. Singer, senior designer electro-mechanical in Applied Research Laboratory

Connie M. Smith, staff assistant VII in Eberly College of Science

Matthew P. Soccio, manager, network and

information systems in Eberly College of Science

Vickie A. Stephens, staff assistant VII in Division of Outreach and Cooperative Extension

Jennifer A. Stewart, staff assistant VI in Office of the Vice President for Research

Linda A. Surovic, staff assistant VI at Penn State Erie

Stephanie S. Tyworth, senior program developer in Division of Outreach and Cooperative Extension

Jennifer L. Vanada, supervising teacher in College of Health and Human Development

Timothy M. Williams, accounting assistant in Housing and Food Services

Jo Anne M. Yurcaba, technician-research in College of Medicine, The Hershey Medical Center



Focus on Research

Constructed wetlands reduce odors from swine manure wastewater

By JOHN WALL
College of Agriculture Sciences

The feces, urine and wastewater that are byproducts of hog farms smell to high heaven. To reduce the odors, two researchers in the College of Agricultural Sciences have found that low-tech, constructed wetlands work well to clear the air.

Field trials in small-scale constructed wetlands in a greenhouse showed an 80 percent reduction in offensive odor compounds from unadulterated swine facility wastewater, said Eileen Wheeler, assistant professor of agricultural engineering. Wheeler and doctoral researcher Susan Wood sought to confirm anecdotal evidence that water treatment in a constructed wetland can reduce odors.

"Swine and other livestock producers in Southern states have used constructed wetlands to treat animal waste, and researchers had noticed that smells were not as strong," Wheeler explained. "We wanted to see if we could quantify a reduction in odor in trials that would reflect real-world practices."

Wood constructed eight experimental wetlands in 100-gallon livestock tanks. She filled the tanks with gravel, added a layer of peat moss and planted a commercial wetlands seed mix containing a wide variety of plants, including fescue, reedtop and wild rye. She also tested unplanted wetlands containing just gravel.

"Some of the grasses died where the water entered the wetlands," Wood said. "But in general, the planted wetlands effectively reduced odors."

Wood organized eight volunteers in a sensory odor panel that compared air samples from untreated swine wastewater and water that had been treated in the wetlands. The panel rated air samples on an odor scale of 0 to 5, with 5 being the most offensive. "Most of the untreated samples were rated as a 4, and the samples from wetland treatment had an average rating of 1," she explained. "The water that had been through the wetland had a stagnant, earthy smell, but it wasn't offensive."

Wheeler says Wood's research is



Eileen Wheeler, assistant professor of agricultural engineering, examines test plants in a greenhouse. Wheeler has been involved in research about the role wetlands play in reducing odors from hog manure.

Photo: Greg Gilco

focused on finding an alternative to other methods of treating swine waste for odor reduction. Current swine waste treatment practices include:

- Mechanical aeration of manure lagoons. Oxygen is bubbled into the wastewater, preventing anaerobic conditions that produce smells. "However, this technology has large power requirements that results in high energy costs," Wheeler said.

- Anaerobic digestion of wastes into biogas. This method requires expensive investment in equipment and high maintenance costs.

- Chemical or biological additives that counteract smells. Research has indicated that the effectiveness of most additives has been questionable.

The next step in Wheeler's research is to construct a large wetlands treatment facility on a local hog operation. If the larger wetland continues to effectively reduce odors, the researchers then will focus on

whether it is economically feasible to use treatment wetlands on commercial farms.

The researchers also want to test how the wetlands function under different temperature conditions. "The constructed treatment wetlands that have been built in the South have warmer weather year-round," Wood explained. "We would like to see how these wetlands function during a Pennsylvania winter, or whether some kind of protective structure is required to keep them working."

Wheeler says swine operations can use the treated water as wash water for hosing out hog pens, or they may be able to store the water for use as fertilizer for crops.

"Treated wetlands are a low-tech solution to a major problem for modern hog farms," Wheeler said. "These wetlands have no pumps to fix, and aside from some pipes, very little equipment. It's like having a pet — you have to feed it, but it can take care of itself most days."

Aphid-like insect trees in Northeast

Hemlock trees in the Northeast are declining and dying, and many experts are blaming an aphid-like insect known as the hemlock woolly adelgid. However, identifying a culprit is not that simple, according to a tree-pest specialist in the College of Agricultural Sciences.

"Hemlock woolly adelgid gets most of the publicity, but people shouldn't place all the blame for hemlock decline on this pest," says Gregory Hoover, extension entomologist. "Other insects are contributing, such as elongate hemlock scale, spruce spider mite, hemlock rust mite and cryptomeria scale."

Hemlock woolly adelgid is a serious threat. The tiny insect has piercing-sucking mouthparts that it uses to remove fluids from hemlock needles, causing them to dry out and drop prematurely. As trees thin and lose "leaf" area for photosynthesis, they become weak and more susceptible to drought stress and attack from other pests. Stressed trees eventually may die.

A free fact sheet on hemlock woolly adelgid can be obtained from any Cooperative Extension county office, or from <http://www.ento.psu.edu/extension/factsheets/hemlockwoolly.htm>.

Automation may be worth investment

Information technology increases salesperson job performance through increases in market knowledge, technical knowledge, sales presentation skills, targeting abilities and call productivity, according to researchers in The Smeal College of Business Administration.

"The rapid growth and advances in computerized technologies in the last decade have significantly changed the everyday life of the modern sales representative," said Michael J. Ahearne, director of the Center for Sales and Customer Service, who conducted research to quantify the impact of automation/information technology use on salesperson performance. Initial research was conducted with a mid-sized pharmaceutical company.

"The research found that information technology usage did, in fact, increase salesperson market knowledge, technical knowledge, sales presentation skills, targeting abilities, and call productivity," he said.

Mad cow disease from tainted beef is an unlikely threat in America, researcher says

By GARY ABDULLAH
College of Agricultural Science

Bovine spongiform encephalopathy (BSE), better known as "mad cow disease," is front-page news as European countries struggle to control the disease's spread in their cattle. But an expert in the College of Agricultural Sciences says American shoppers don't have to worry when buying beef.

"The worst may be over for the United

States and Europe," said Lawrence Hutchinson, professor of veterinary science. "Corrective measures seem to be working. In North America, we've prohibited animal byproducts in feed and banned importing those for any use in this country. We think those two barriers prevented animals in the United States from being exposed to BSE."

"We also examine any animals that sick or die of diseases of the brain or nervous system," he said. "In every case where the

cause isn't known, samples of the animal are tested at the National Animal Disease Center in Iowa. To date, of more than 17,000 samples submitted, all have been negative."

Hutchinson says BSE in the United Kingdom has dropped from more than 24,000 cases in the peak year (1994) to about 1,300 cases last year, thanks to stringent quarantine and culling tactics, combined with the prohibition of all animal byproducts in cattle feed. Because the dis-

ease has an incubation period of two to eight years, the control measures should finally be taking effect. "At this point, we feel very good about the fact that we're not finding any signs of disease, so meat products raised here in the United States are very safe from BSE," Hutchinson said.

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Is it really that warm out?



It's probably still a bit too cold for shorts, but that didn't stop undergraduate student Tom Hays from donning some summer gear and setting up his lawn chair on University Park's Old Main lawn to do some studying and catch some rays, above. **At left**, Jennifer Martz, a junior in elementary education, also took advantage of a sunny day to read the paper on the Old Main steps. More than 11,900 newspapers are read each day by students systemwide, thanks to the Newspaper Readership Program. The program offers free newspapers to all students living both on- and off-campus at 20 locations with undergraduate programs.

Photos: Greg Grieco



Intercom

INFORMING THE PENN STATE COMMUNITY

APRIL 5, 2001

Next phase of project under way



Although there still is no boating in Lake Perez, there are many other activities to draw visitors to the 700-acre Stone Valley Recreation Area near the University Park campus. For information, check the Web at http://www.psu.edu/Stone_Valley/.

Photo: Greg Grieco

Lake Perez dam reconstruction to use an innovative reinforcement system

BY TYSEN KENDIG
Public Information

It's been more than a year since Lake Perez, the 72-acre recreational centerpiece of Stone Valley Recreation Area, was transformed from a watery, warm-weather playground into a parched moonscape.

While outdoor enthusiasts will have to endure one more summer season without water lapping along the lake shore for their boating and fishing pursuits, engineering buffs will revel in the innovative, environmentally friendly technology being employed to revitalize the aging weir over

the next six months.

Leonard S. Fiore Inc. of Altoona was recently awarded the contract to install a dam reinforcement system and renovate the existing spillway.

The reinforcement system is particularly intriguing, as it will be one of only a couple dozen dams in the country to consist of articulating concrete blocks (ACBs).

ACB systems are matrices of open-celled concrete blocks that are cabled and abutted together to form a contiguous carpet. These 8-by-40 foot carpet sheets are placed over the surface of an existing dam embankment, covered with topsoil taken

from the lake floor, and seeded. This system provides an embankment armored against erosion while creating a natural, aesthetic appearance that also protects the concrete blocks from the elements.

The \$2.8 million reconstruction project, when completed in September, will result in the largest dam structure in the United States to use an ACB system.

"This is the first project of its type in Pennsylvania," said Paul Schweiger, senior project engineer for Gannett Fleming Inc., which was hired by the University to study and design an alternative, economi-

Lake Perez, page 3

Faculty Senate shows support for Spanier

BY TYSEN KENDIG
Public Information

In late February, President Graham B. Spanier was absent from a University Faculty Senate meeting, obliged to appear before the Pennsylvania House Appropriations Committee to testify on behalf of Penn State's budget requests and face questions over recent controversial student-sponsored events on campus.

Four weeks later, he returned to the Faculty Senate floor, where he was greeted with a standing ovation and resolutions of support for both his representation of the University in Harrisburg and for the University's continuing commitment to free speech as the "foundation upon which academic inquiry rests."

One Senate resolution directly commended Spanier for "his recent articulate and reasoned defense of free speech." The other put a faculty stamp of support on the University's stand against any repression of Constitutionally protected

Faculty Senate, page 2

Quality Expo 2001 to be held April 12

BY BILL CAMPBELL
Special to Intercom

If you're interested in the latest in electronic learning, programs aimed at enhancing the climate for diversity or student efforts to improve classroom learning, make plans to visit the University's Quality Expo on Thursday, April 12.

The theme of Quality Expo 2001 is "An Innovative Odyssey of Discovery." Exhibits will be open from 10 a.m. to 2 p.m. in the Ballroom of The Nittany Lion Inn on the University Park campus.

Thirty-eight Penn State exhibitors representing 42 teams, as well as exhibitors from four other universities, including the University of Wisconsin and the California State University, will share their experiences using quality improvement principles and tools. Two of this year's Central Pennsylvania Quality Award winners, C-Cor and HealthSouth Nittany Valley

Quality Expo, page 3

Faculty Senate

Continued from page 1

speech, and encouraged the use of education as "an important antidote for speech that some might consider offensive, intolerant or unwise."

"The solution to bad speech is good speech," said Senate Council member John Nichols, who read the resolutions before the Senate. "The solution is education, not regulation."

Spanier thanked the senators for their support and quickly switched gears to read a statement condemning the recent riot in downtown State College.

"The Penn State alma mater contains the words 'no act of ours bring shame,'" said Spanier. "But once again, we have most unfortunately experienced a disturbance that damages the reputation of the University and the community that surrounds us."

"Penn State does not condone riotous behavior. Students who have been charged with criminal offenses will face disciplinary proceedings within the University's judicial affairs system, in addition to adjudication through the criminal justice system."

Consistent with those remarks, the Senate endorsed steps to clarify Penn State's disciplinary procedures and make the Code of Conduct more accessible and understood by students. An advisory report from the Senate Committee on Student Affairs aims to make students aware of the procedures when they breach the bounds of speech and expression with unlawful conduct, and outlines potential consequences. "Obviously, student activism should be treated differently than student drunken disorder," said Bill Ellis, who presented the report on behalf of the committee.

Not all business on the Senate docket had such resounding support. A proposal to revise the University's promotion and tenure guidelines (HR-23) to include quality indicators in the criteria for research or creative accomplishment and scholarship was struck down by a 69-49 Senate hand count. Several senators expressed concern that the provision would open the door for subjective misinterpretation in the promotion and tenure process, especially in more obscure fields where the quality of publications and other recognition of work is less recognizable.

Other legislative and advisory items did earn Senate approval. In reversing a policy implemented in 1996, senators recommended that foreign language credits at the "001" level should be counted as baccalaureate degree credits. For the past five years, these courses taken to meet the foreign language admissions requirements of academic programs have not counted toward completion of the program.

Following up a discussion on ownership from the previous Senate session, a revision to administrative policy AD-46, which governs copyright clearance, was confirmed. The change clears the way for faculty members to receive royalty pay-

University, borough officials commit to prevent future riots

Penn State administrators and several State College Borough officials on March 29 committed themselves to take extensive and immediate steps to prevent future riots in the so-called Beaver Canyon area of downtown State College.

"We are absolutely united in our determination to prevent this from recurring," said President Graham B. Spanier. "What happened this past weekend is completely unacceptable, and we have agreed to take several steps designed to keep this from happening again."

The University already has begun the process of disciplining students involved in the most recent riot through its Office of Judicial Affairs. After the two previous riots, 38 Penn State students were charged with violating the Student Code of Conduct. Thirty-six of those 38 students were expelled or suspended from the University, or left voluntarily rather than face charges. The University has pledged to continue its strict approach to sanctioning rioters, to increase publicity concerning its zero-tolerance policy and to strengthen sanctions for other criminal behaviors.

State College Borough Council member Jean McManis expressed optimism that the borough can enact ordinances and make other changes to curb the prospect of serious problems in the future.

"There is a consensus that we need to prevent students from gathering in Beaver Canyon at times of potential dis-

turbances, as well as eliminate the possibility of bottles and other debris being thrown from balconies," said McManis.

"We plan to give the police greater flexibility in keeping crowds from gathering, or dispersing them if they do gather."

University administrators and borough officials agreed to pursue several initiatives. They will meet jointly with apartment owners and landlords to discuss preventative measures such as balcony control, advance warnings about potential disturbances and increased surveillance. There will be a strengthened police presence in the future. Students will receive clear guidance about what kinds of behaviors will be subject to police and Judicial Affairs sanctions. Those assembling in situations that could lead to a riot will receive indisputable warnings about the requirement to disperse.

The borough will consider a range of measures, including the possibility of a limited curfew. Borough officials agreed to accelerate the consideration of new ordinances. There will be increased cooperation between the state police, the State College police, and the University police.

"Personally, I have no tolerance for such disturbances," said Spanier. "Penn State's reputation is negatively influenced by such actions, and we can't allow a small portion of our community to engage in behaviors that reflect so poorly on this great University," he added.

All actions and reports are available in the Senate Record and can be accessed online at <http://www.psu.edu/ufs/>.

Before the start of the session, the University's second-year Rhodes Scholarship recipient, Zachary Battles, was introduced to the Senate. Battles, who is blind, expects to graduate this year with bachelor's and master's degrees in computer science along with another baccalaureate degree in mathematics and a minor in French — all accomplished within four years.

"Life isn't built upon accomplishments, but rather upon others' investments in you. I've learned that in my life," said Battles, one of 32 students nationwide awarded two to three years of study at Oxford University. "I now have an obligation to pass on what's been invested in me and invest in others. I'm excited to be taking the next step and anticipating the steps that will follow after Oxford."

Tylen Kendig can be reached at tylen@psu.edu.

Streaming video makes class, lectures a round-the-clock resource for students

By STEVE SAMPSELL
Eberly College of Science

Thanks to a high-tech approach, some faculty members have made one physics class much more than the same-old science. In fact, with the use of streaming video technology, the class known as "Physics 211, General Physics: Mechanics" has become a round-the-clock resource for students.

By combining streaming video and a split-screen presentation, students may watch class lectures on the Web. With the split screen, they see the lecturer on one side of their computer screen and slides from the presentation that accompany the lecture on the other side. Lectures are not presented as they happen, though. Compressing video of the lecture into a streaming video format requires about two days.

Three large lecture sections and more than 30 smaller laboratory/recitation sections of Physics 211 include more than 850 students this semester. Only presentations from the three large lecture sections, conducted in 119 Osmond Laboratory, are shown on the Web. Class lecturers include Paul Sokol, professor of physics; Peter Schiffer, associate professor of physics; and John Hopkins, physics instructor. The split-screen computer format was developed by Scott Laudenslager, research technician for the Department of Physics' educational network and information systems.

"We intended the system as an aid and resource that would be there if students had a question or had to miss a class," said Sokol. "We have not noticed a dropoff in attendance for the large sections with students opting to watch on the Web instead."

In a sense, the course has become a semester-long test for the Department of Physics. If students enjoy the approach, based on feedback at the end of the semester, the practice of making lectures available on the Web might expand to other large physics classes. Although the use of the Web as a home for lectures in Physics 211 only started in the middle of this semester, more than 800 visitors hit the site in the first three weeks of its existence.

"If it turns out to be popular and successful, then it should benefit the students," said Sokol. "We want to provide students with the information in a means that they can use the best. With lectures on the Web, they have a way to double-check their notes or get a second chance to listen to a point that was being made."

The Web site and lectures may be accessed for free at <http://class.phys.psu.edu/p211s01>. All students registered for the class receive a password that allows them to participate in discussion forums.

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Lake Perez

Continued from page 1

cal solution for the dam's rehabilitation. "This could be a model solution for other dams statewide. It is certainly a high-profile, important project—both for Penn State and on a national level."

ACB technology has been used to rehabilitate more than 25 dams nationwide over the past 10 years, and has been proven to resist erosion better than other types of dam-armoring systems. Although the existing 520-foot long earthen dam had maintained its integrity over four decades, the ACB system is a preventative defense against dam overflow following storms or exceptionally wet periods.

"The dam needed to be armored as protection against a once-in-a-hundred-years flood event," said Dale Roth, director of recreation and club sports. "In the event that water should rise in the lake and overtop the dam, this system will prevent the embankment from washing away and help protect downstream properties from damage and loss of life."

In addition to the dam overhaul, workers will revamp the adjacent spillway to further protect against overtopping of the dam. The concrete aqueduct, which carries water from the lake into the natural creek bed below, will be excavated and expanded to meet state standards for spillway capacities and upgraded with a new concrete base and drains, which were not previously in place and should help pre-



Although the lake is closed, there still is plenty to do at Stone Valley, and cabins are available for rent as well.

Photo: Greg Grieco

vent future undermining of the structure.

The overall project began at a much smaller scale in 1999, when inspections revealed leaks that eroded away some of the material beneath the spillway slabs. Although the University looked into repair alternatives to avoid draining the lake, the state Department of Environmental Protection requested expansion of the spillway capacity to meet state standards.

To accommodate the extensive project, the 29-foot deep lake was drawn down in January 2000, forcing a massive relocation of more than a ton of trout, bass and thousands of other lake inhabitants to the east

branch of the Little Juniata River. University officials hope to begin refilling the lake immediately upon completion of the project, and expect to have the reservoir completely full by December.

Although the lake bed will remain desolate until then, Roth said that other activities around the lake such as hiking, cabin rentals, the Shaver's Creek Environmental Center and the more than 1,000 acres of fields and woodlands that make up Stone Valley will remain unaffected.

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Quality Expo

Continued from page 1

Rehabilitation Hospital, also will have exhibits.

The annual demonstration of the University's commitment to improvement, innovation and teamwork is sponsored by the University Council on Continuous Quality Improvement and the Center for Quality and Planning.

Expo visitors also will have the opportunity to engage several of the University's leaders in conversations about institutional change. At 9 a.m., Rodney Erickson, executive vice president and provost, and Gary Schultz, senior vice president for finance and business, will lead an informal discussion on "Leadership for Institutional Innovation." At 11:30 a.m., Judy Olian, dean of The Smeal College of Business Administration, and Nirmal Pal, executive director of the Center for e-Business Research, will discuss "e-Technology as a Tool for Change and Process Improvement." The sessions are open to all members of the University community.

At the "Students Improving the Classroom" exhibit, visitors will be able to view a video showing quality teams at work and featuring reactions from students, faculty members and team leaders involved in the program. The Schreyer Institute for Innovation in Learning sponsors a completely student-run initiative in which student quality teams monitor the work processes of students and instructors to find opportunities for changes that lead to better learning outcomes. The teams, composed

of 125 student team members, have worked successfully over the last three years to improve the education of almost 3,000 students.

"The team works closely with the faculty member to survey the class and collaboratively develop different ways to improve the class and learning outcomes in the class," Matt Levensduy, team leader, said. "It gives students in the class a sense of ownership and heightens their awareness of their own role in the classroom."

"We hope the video shows how working with quality teams helped change students' attitudes toward learning and promoted innovation in the classroom. We also plan to have some students and team leaders on hand to discuss the program."

The exhibit on "Inter-unit Collaborations Aimed at Enhancing the Climate for Diversity" is sponsored by the Office of the President and the Office of the Vice Provost for Educational Equity. It will feature information on the Commission on Lesbian, Gay, Bisexual and Transgender Equity, Commission on Racial/Ethnic Diversity, Commission for Women and other units within the Office of the Vice Provost for Educational Equity.

"Our goal is to highlight some of the programming improvements that we have initiated over the last few years in the Office of the Vice Provost," Michael Blanco, team member, said.

The School of Information Sciences and

Technology will have three computer terminals at which Expo visitors can try their hand at a Web-based version of the school's foundation course, IST 110, Introduction to Information Sciences and Technology. The latest in e-learning, it was piloted last semester and now is available on a rolling enrollment basis. Members of the IST Solutions Institute, who created the course, will be available to answer questions and guide visitors through the course.

Expo 2001 will be preceded by a workshop, "Using the Balanced Scorecard to Improve Performance," to be held from 10 a.m. to 4 p.m. Wednesday, April 11, at The Nittany Lion Inn. The workshop, sponsored by the National Consortium for Continuous Improvement, will be led by Chet Warzynski, director of organizational development and employment services at Cornell University, and Ron Coley, associate vice chancellor for business and administrative services at the University of California-Berkeley. James Ryan, vice president for Outreach and Cooperative Extension, will be the luncheon speaker.

For more information on the workshop, check the Web at <http://www.ncci-cu.org/>. To learn more about the Quality Expo, visit <http://www.psu.edu/president/cqi/expo2001/index.htm>.

Bill Campbell can be reached at wjc1@psu.edu.

PENN STATERS

Pennsylvania College of Technology received awards in national competitions recently for a marketing brochure, its quarterly magazine and its television cooking series. *Admissions Marketing Report*, the national newspaper of admissions marketing, presented two awards in the 16th Annual Admissions Advertising Awards competition. The quarterly publication, *One College Avenue*, received a Silver Award in the newsletter category and its admissions/marketing brochure, "This is the Real World," received a merit award. "You're the Chef," a cooking series on PBS, won a bronze Telly Award for its third-season premiere episode, "Beef Bash."

Pennsylvania College of Technology's Office of Instructional Technology and Distance Learning has been presented an Award of Distinction in the 2000 Communicator Awards competition. It recognizes the group's recent production of a unique marketing program for the college's distance learning classes. Consisting of a miniature CD-ROM and accompanying Internet site, the program is used to explain Penn College's distance learning program to new and prospective students.

Kim Cook, associate professor of music, traveled to the Czech Republic to premiere a solo cello concerto written for her by Czech composer Zdenek Polonik. She performed the work with the Bohuslav Martinu Philharmonic in Zlin.

Charles Ghilani, program chair for both the surveying and surveying technology programs at Penn State Wilkes-Barre, received the Earle J. Fennell Award from the American Congress on Surveying and Mapping at its conference in Las Vegas. The award is given to professionals and educators who have made outstanding contributions to surveying and mapping education.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Institute, gave an invited talk "New Strategies in Low Temperature Synthesis" at an International Symposium on Soft Solution Processing in Tokyo. He also gave invited lectures on "Synthetic Clays for Soil Remediation" at Japan Atomic Energy Research Establishment and on "Novel Clays for Separation of Radioactive Ions" at Japan Nuclear Cycle Development Institute, Tokai Works.

Charles S. Prebish, professor of religious studies, was elected to a two-year term as president of the Association of Peer-Reviewed Electronic Journals in Religion. The organization was established in 1998 for the purpose of promoting the development of electronic journals, sharing ideas and solutions to technical problems, and setting standards for academic quality and longevity.

Mary Ann Stankiewicz, associate professor of art education in the School of Visual Arts in the College of Arts and Architecture, has been named president-elect of the National Art Education Association. The term includes two years as president-elect, two as president and two as past president.



Lectures

Doctor to discuss environment, genes, cancer

Dr. Daniel Walter Nebert, professor in the Department of Environmental Health, University of Cincinnati Medical Center, will speak on "Environmental Susceptibility Genes Responsible for Human Toxicity and Cancer" in the Life Sciences Consortium's Colloquium April 10.

The colloquium will be videoconferenced at 4 p.m.



Dr. Daniel Nebert

from Lecture Room D at The Milton S. Eshershy Medical Center in Hershey to 108 Warkit on the University Park campus.

Nebert received his bachelor of science in biology and chemistry from Wesleyan University, his master of science in biochemistry and his medical degree from the University of Oregon Medical School.

British dean to lecture on children's education

Ron Best, dean of the education faculty at the University of Surrey Roehampton, London, will give two presentations April 9 and 10 on the Penn State Harrisburg campus.

Best, an authority on the personal and social education of children and adolescents, will present a free public lecture titled "Education, Spirituality and the

Whole Child" at 7 p.m. Monday, April 9, in the Olmsted Auditorium.

He will present "What Teaching Is and What It Is Not" to the Kappa Delta Pi student organization at 5:45 p.m. Tuesday, April 10, in the Gallery Lounge.

For information, call Ernie Dishner at (717) 948-6530 or e-mail dishner@psu.edu.

Colloquy focuses on new learning methods

Faculty and academic support staff can learn more about the University's efforts to introduce new learning methods during a one-day colloquy sponsored by the Teaching and Learning Consortium.

The program, "Expanding Student Centered Learning," will be held from 8:30 a.m. to 4 p.m. Wednesday, May 2, in the HUB-Robeson Center Auditorium on the University Park campus. Registration is available online at <http://www.fsu.edu/dept/tlc/events/colloquy.html> through Thursday, April 12.

The sessions will feature guest speakers, faculty and student demonstrations in the morning and afternoon. President Graham B. Spanier will open the event.



George Kuh

George Kuh of Indiana University will present the keynote address, "College Students Today: Why We Can't Leave Serendipity To Chance." Kuh is the director of the College Student Experience Questionnaire Research Program and the National Survey of Student Engagement.

"Journey as a Scholar" experiences will be shared by a student and a faculty member. Geoff Grunier, a junior majoring in political science who is also the chairman of the Student TLC Team, will be the first speaker after lunch. He will be followed by Richard Cyr, professor of biology, who will present his perspective in the program's final lecture. Provost Rodney Erickson will close the colloquy.

Issues of inclusive spirituality to be examined

The Spring Lesbian Gay Bisexual Transgender Lecture Series Program will focus on "Que(r)rying Religion: Issues of Spirituality in the LGBT Community" from 8 to 10 p.m. Friday, April 6, in the All-Faith Chapel in Helen Eakin Eisenhower Chapel on the University Park campus.

The Rev. Irene Monroe, a lesbian, black theologian from Harvard Divinity School, will facilitate a panel discussion.

The panelists are: Laura Montgomery-Rutt, a member of the Board of Directors of Equal Partners in Faith; Doti Berry, a member of Soulforce, a group which seeks

justice for LGBT people of faith through non-violence; Kristen M. Eyssell, a member of the Unitarian Universalist Fellowship in State College; Alicia Anderson, a Penn State Lutheran campus minister; Ken Clarke, director of Ethics and Religious Affairs; and Aase Wilborg, a graduate student in the Department of Spanish, English and Portuguese, representing Silver Circle, a pan-Pagan student organization.

For information, e-mail Sue Rankin at sxr2@psu.edu or Heather Solimini at lgbta@psu.edu.

Race, feminist critique of science topic of talk

Evelynn M. Hammonds will speak on "Race and the Feminist Critique of Science" as the concluding lecture in the Feminist Scholars Series at 4 p.m. April 12 in 102 Kern on the University Park campus.

Hammonds is associate professor of the

history of science in the Program in Science, Technology and Society at the Massachusetts Institute of Technology.

The event is free to the public. For information, call (814) 863-4026.

'Water Waves in Channels' topic to be discussed

Tony Dalrymple, director of the Center for Applied Coastal Research and Edward C. Davis Professor Civil and Environmental Engineering at the University of Delaware, will discuss "Water Waves in Channels" from noon to 1:15 p.m. Monday, April 9, at 202 Hammond Building, University Park.

Dalrymple's speech is part of the Hydrosystems Seminar Series in the Department of Civil and Environmental Engineering. His speech will examine the development of some theoretical and numerical models for the propagation of waves in navigational channels.

Egyptian novelist to discuss writers' situation

Nawal el Saadawi, Egyptian novelist, essayist and activist for women's rights, will discuss "The Situation of the Writer in Egypt Today" from 12:40 to 1:20 p.m. April 9 during the Comparative Literature Luncheon in 102

Kern on the University Park campus.

Lunch is from 12:15 to 12:40 p.m. Participants may bring their own lunch or buy something in Kern Cafeteria.

The event is free to the public.

Faculty Fulbright workshop set for April 12

A faculty Fulbright Application Workshop will be held at 4 p.m. Thursday, April 12, in 129 HUB-Robeson Center on the University Park campus.

The workshop, facilitated by Muriel Joffe, senior program officer with the Washington, D.C.-based Council for International Exchange of Scholars (the administering agency for the senior Fulbright program), will explain the application

process for the 2002-03 program and offer tips for producing a grant-winning application. These grants are appropriate for scholars at all stages of their careers.

For information, call John Keller at (814) 863-6035 or e-mail jmk13@psu.edu or call Janet Haner at (814) 865-0771 or e-mail jah3@psu.edu. To obtain a videotape or set up an individual appointment with Joffe, contact Haner.

Estimating climatic change is lecture topic

Cort J. Willmott, professor of geography at the University of Delaware, will discuss "Estimating Climate and Climatic Change from Lousy Weather-Station Networks" at 7:30 p.m. Wednesday, April 11, in 112 Walker Building on the University Park campus.

The event is the Spring 2001 E. Willard and Ruby S. Miller Lecture in Geography. A reception will follow Willmott's talk.

Willmott has served as chair of the

Department of Geography and director of the Center for Climate Research at Delaware. He also has been a visiting scientist at NASA's Goddard Space Flight Center and has received the Distinguished Scholarship Honors Award of the Association of American Geographers. He has focused his research on climate variability and change, water budget modeling and quantitative climate modeling.

Labor leader to discuss trade globalization

Leo Gerard, president of the United Steel Workers of America (USWA), will present the 12th annual Philip Murray Memorial Lecture at 7:30 p.m. April 11 in Kern Auditorium on the University Park campus. The title of his presentation will be "Globalization and the New Age of Activism."

Gerard was inaugurated as the seventh international president of the USWA on Feb. 28. He has served as chair of the Steelworkers Health and Welfare Fund and is the driving force behind the Heartland Labor Capital

Fund, a network that is creating conceptual, financial and educational tools for capital structures that will inject the welfare of workers into investment priorities.

The Murray Lecture honors Philip Murray, the founding president of the USWA, who also served as president of the Congress of Industrial Organizations (CIO). The lecture's purpose is to create a dialogue between labor and the University community.

For information, call Paul Clark at (814) 865-0752.

Topic will be 'Nitrogen Leaching From Substrate'

Mingxin Guo, a doctoral candidate in soil science, will discuss "Nitrogen Leaching From Weathering Spent Mushroom Substrate Under Lab Conditions" from 3:35 to 4:25 p.m. April 6 in 101 Agricultural Sci-

ences and Industries Building on the University Park campus.

The host is the Department of Agronomy. For more information, call (814) 863-1601.

Nature photographer helps mark Earth Day

Jack Winfield Ross, nature photographer, will give a slide presentation as part of Penn State Delaware County's Earth Day Celebration at 12:30 p.m. Monday, April 23, in 101 Main Building.

Ross is an inspirational speaker, nature photographer and writer based in Nashville, Tenn. His photographs have

illustrated magazine covers, posters, compact disc covers, calendars, brochures, video programs and slide presentations. His photo of the red wolf was chosen for the cover of the U.S. Fish and Wildlife brochure detailing its efforts to restore this endangered species.

The event is free to the public.



More Lectures

Sport psychology talk focuses on performance

Yuri L. Hanin, professor and senior researcher at the Research Institute for Olympic Sports in Jyväskylä, Finland, will present the Dorothy V. Harris Lecture Series in Sports Psychology from 4:30 to 5:30 p.m. Thursday, April 12, in 112 Chambers Building on the University Park campus.

His presentation is titled "Emotion and Performance: An Individualized Approach." The lecture is free to the public.

Journalist Helen Thomas to speak at Shenango

Helen Thomas, the award-winning journalist who has written about and covered seven presidents, will present the third annual Greenberger Family Memorial Lecture at 7:30 p.m. Wednesday, April 18, in the Penn State Shenango auditorium.

In addition to the lecture, Thomas will spend the afternoon on the campus speaking to various student groups, the Chamber of Commerce Junior Leadership



Helen Thomas

Shenango, local high school journalism students and faculty, staff and advisory board members.

The event is free to the public; however, tickets are required for admission and will be available from 9 a.m. to 5 p.m. on Thursday, March 29, and Friday, March 30, (pending availability) in 218 Sharon Hall.

For information, please call (724) 983-2905.

Nobel laureate presents in Eberly lecture series

A free public lecture presented by Nobel Laureate Paul Berg, a graduate of Penn State, will mark the 10-year anniversary of the naming of the Eberly College of Science.

His lecture, the inaugural Eberly Family Distinguished Lecture in Science, titled "Genomics: Impacting Society and Society," will be presented at 4 p.m. Thursday, April 26, in 112 Kern Building on the University



Paul Berg

Park campus. Berg, the Cahill professor of cancer research emeritus and director of the Beckman Center for Molecular and Genetic Medicine at Stanford University Medical School, won the 1980 Nobel Prize in Chemistry for his studies of the biochemistry of nucleic acids, with particular regard to recombinant DNA.

For information, call (800)

297-1249.

Academic Advising Association conference set

The Mid-Atlantic Region of the National Academic Advising Association will hold its annual conference April 18-20. With the Division of Undergraduate Studies as host, this event includes a Thursday morning address by President Graham B. Spanier.

Five preconference workshops, six poster displays and more than 50 roundtable or concurrent sessions will be offered during "2001: An Advising Odyssey."

An organization of more than 6,000 professional advisers/counselors, faculty advisers, administrators and others who work together to enhance the skills neces-

sary for advising students, the association is the acknowledged leader within the global education community for the theory, delivery, application and advancement of academic advising. The organization can be contacted by e-mail at nacada@ksu.edu. For general information, check the Web at <http://www.ksu.edu/nacada/>.

For information about registering for the conference, check the Web at <http://www.psu.edu/dus/nacada/region2/2001conference.html>. For more information, call Ruth Hussey, conference chair, at (814) 865-7576 or e-mail rbh1@psu.edu.

Spring SAS Mini-Conference coming on April 17

The Spring 2001 SAS Mini-Conference will be held from noon to 6 p.m. April 17 in 112 Kern Building on the University Park campus.

The conference will focus on the advanced features and enhanced interactive user interfaces new to the University's SAS license. SAS Version 8, the latest version of SAS compo-

nents, will be presented.

The event is free. Due to limited space, attendees are asked to register in advance. To register or for information, go to <http://cac.psu.edu/jcars/sasmini/signup.html> on the Web. Inquiries can be e-mailed to sasnews@cac.psu.edu.

NEWS IN BRIEF

Spaniers lead AIDS Walk

University President Graham B. Spanier and his wife, Sandra, associate professor of English, will lead the University community as honorary co-chairs of the fourth annual Red Ribbon AIDS Walk, set for noon Sunday, April 8.

The walk is a fund-raiser for The AIDS Project, which helps local individuals and families who are affected by HIV and AIDS as well as offering AIDS-prevention education, testing and counseling. This year's fund-raising goal is \$70,000.

The three-mile walk begins with registration at noon at Central Park in State College. Walk-up registrations are fine, according to organizers. Step-off is at 1 p.m. Some 2,000 walkers of all ages are expected to walk the course that loops around Beaver Stadium before turning to the parklet.

Besides the Spaniers, many University colleges and departments will field teams of walkers. Among them are anthropology (team coordinator Joan Richtsmeier), meteorology (coordinator Bill Ryan), the social science library (coordinator Debora Cheney), communications (coordinator Ann Marie Major), WPXI-TV (coordinator Tracy Vosburgh Frieden) and the Graduate Student Association (coordinator Jessica Klouser). The Interfraternity and Panhellenic councils, as well as its student affairs office all are co-sponsors of the walk. Judy Albin, assistant director of residence life, is co-chair of the walk along with Rick Bryant.

For information or to sign up to organize a team, call a team coordinator or the AIDS Project office at (814) 234-7087.

Blood drives

The American Red Cross, Centre Communities Chapter, has a full schedule of University Park blood drives planned for the month of April, as follows:

- April 9: Stephens Hall, 1-7 p.m.
- April 10: Warner Commons, 1-7 p.m.
- April 11: Fisher Hall (East Halls), 1-7 p.m.
- April 12: Fisher Hall (East Halls), 1-7 p.m.
- April 17: HUB-Robeson Alumni Hall, 10 a.m. to 4 p.m.
- April 18: HUB-Robeson Alumni Hall, 10 a.m. to 4 p.m.
- April 19: HUB-Robeson Alumni Hall, 10 a.m. to 4 p.m.
- April 27: HUB-Robeson Alumni Hall, 10 a.m. to 4 p.m.

Walk-ins are welcome to all drives, but appointments are appreciated. To schedule, call (814) 237-2713. To confirm donor eligibility, call American Red Cross Blood Services at (800) 544-BLOOD.

Used Book Sale

The American Association of University Women will hold its 40th annual Used Book Sale April 13-16 at the Ag Arena on the University Park campus.

Hours are 9 a.m. to 9 p.m. daily. Sunday is half-price day and Monday is Bag Day. The event features more than 250,000 used books, paperbacks, CDs, tapes, maps, magazines and sheet music. Proceeds benefit fellowships and educational projects. Admission is free.

Earth Day

From free home water testing and a poster contest for schoolchildren to a live animal display from ZooAmerica to Hershey, Penn State Harrisburg's Earth Day Expo on April 17 promises to be its most extensive ever.

Conducted in conjunction with the college's graduate and undergraduate Environmental Engineering programs, the educational and fund-raised activities will be on the campus plaza from 11 a.m. to 2 p.m. More than 35 exhibitors will be on hand with presentations and information on topics related to the environment. For information, call (717) 948-6002.

Career sessions

The Annual Labor Studies and Industrial Relations Career Sessions will be held from 1 to 4 p.m. Thursday, April 19, in the Alumni Lounge at The Nittany Lion Inn on the University Park campus.

Some 40 alumni offering career advice will meet with students. Among those planning to attend are Doug Allen, assistant director of the NFL Players Association; Gene Cavallucci, vice president-counsel of Harris Corp.; Tom Stripes, vice president for human resources, Sunlumo Corp. of America; and Dennis Shiplock, senior director of labor and employee relations at Aramark.

The Undergraduate Forum, in which students and alumni debate an employment case, will be held at 7:30 p.m. in Ballroom C in the inn. For information, including a list of this year's returning alumni, visit the Labor Studies Web site at <http://lsrla.psu.edu/> or call (814) 865-5425.

Strategic planning session

Individuals responsible for unit planning are invited to participate in a discussion of the guidelines for the next strategic planning cycle at 8:30-10 a.m. Friday, April 20, in 404 Old Main on the University Park campus.

Louise Sandmeyer, executive director of the Center for Quality and Planning, will moderate the discussion. It is anticipated that the upcoming planning cycle will cover the period 2002-03 through 2004-05. The discussion will touch on guidelines about the nature and structure of plans, timing and content as well as the use of performance indicators, budget implications and progress reports.

Participants should register in advance by calling (814) 863-8721 or e-mail psucqp@psu.edu.

Technical difficulties

The Lesbian, Gay, Bisexual and Transgender Support Network has had a technical problem with the server; all applications to the network in the last two-and-a-half months are undocumented and unretrievable.

If you have applied recently and have not gotten a response, reapply at <http://www. lions.psu.edu/igbt/network/> or call (814) 863-1238.

For the Record

Scott M. Hofer, assistant professor of human development, will speak about "Change in Cognitive Functioning Associated with ApoE Genotype in a Community Sample of Older Adults" on April 18. The incorrect date was listed in story on page 5 of the March 29 *Intercom*.



Arts & Entertainment

Opera Theatre

The Penn State Opera Theatre will present a triple-bill of one-act operas for its yearly Opera at Schwab production. The performances will be held at 8 p.m. Friday and Saturday, April 6 and 7, in Schwab Auditorium on the University Park campus.

The operas are "The Lantern Marriage," by French operetta composer Jacques Offenbach; "Chanticleer," by Seymour Barab, which was produced recently as the Penn State Opera Theatre's Children's Opera; and "Three Sisters Who Are Not Sisters," by Ned Rorem, which is set to an absurdist text written by American poet Gertrude Stein. "Chanticleer" is directed by Robert Barton, and "Three Sisters" and "The Lantern Marriage" are directed by Susan Boardman. All three of the operas have youthful themes and are suitable for children as well as adults.

Tickets are \$4.50 and are available at the Eisenhower Auditorium ticket booth and at the door.

A swashbuckling ballet

The adventures of swordsmen Porthos, Athos, Aramis and D'Artagnan leap onto the stage when the Royal Ballet of Flanders performs "The Three Musketeers" at 8 p.m. Saturday, April 7, in Eisenhower Auditorium on the University Park campus.

Based on Alexandre Dumas' novel, the ballet is set in France and England in 1625. The adaptation is performed to the music of Giuseppe Verdi.

Tickets are \$30 and \$17 for general admission; \$25 and \$17 for students; \$15 and \$7 for University Park students; and \$15 and \$9 for children 12 and younger. Call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849.

Audio description of the ballet will be available through the View Via Headphones program.

Trombone Choir

The Penn State Trombone Choir will be host for the 12th Annual Spring Trombones Festival, also known as the Frühling Posaunen, on Sunday, April 8. This event brings together trombonists from some of this country's finest schools of music. The Penn State School of Music, along with the event's other two founding members, the Eastman School of Music and the Ithaca College School of Music, have invited the trombone choirs from West Virginia University and the Cincinnati Conservatory of Music to join in this year's festivities.

The guest artists for this year's Frühling Posaunen are the trombone section from the United States Marine Band in Washington, D.C., and

Solid-gold soul tour to hit University Park

The Temptations and The Spinners will bring the sounds of Motown and Philly soul to The Bryce Jordan Center at 8 p.m. Saturday, May 5. Tickets are \$35 for reserved, theatre-style seating.

The Temptations were the quintessential Motown vocal group. The quintet offered a rich blend of voices accompanied by stylish, coordinated dance moves. With songs and production from some of Motown's brightest lights — most notably Smokey Robinson ("My Girl") and Norman Whitfield ("Ain't Too Proud to Beg") — the Temptations lived up to their billing as emperors of soul. The Temptations were inducted into the Rock and Roll Hall of Fame in 1989.

BRYCE JORDAN CENTER

The Spinners may be one of the most underestimated R&B groups of the '70s music era. Their soulful pop grooves with those catchy hooks as "It's A Shame" and "I'll Be Around" are timeless. Experiments with elements like hot funk with "Rubberband Man", disco on "Working My Way Back To You" and playful pop "Cupid" click very well with their lush ballads.

Tickets are available at The Bryce Jordan Center, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555, or online at <http://www.bjc.psu.edu/>.

George Roberts. Open clinics will be held in the afternoon, and a concert featuring more than 100 trombonists will be given at 8 p.m. in the Esber Recital Hall, Music Building I, on the University Park campus. The concert is free to the public.

For more information, call Mark Lusk, associate professor of music, at (814) 863-4415.

Bach's Lunch

The Penn State Mallet Ensemble, directed by Dan Armstrong, professor of music, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, April 12, in 128 Music Building II on the University Park campus.

Seven students, most of whom are music majors, will perform the concert, which will feature music with a Spanish flavor.

The ensemble will give its spring concert at 8 p.m. April 16, in the Esber Recital Hall, Music Building I.

After the Bach's Lunch concert, audience members may take their bag lunches to the Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Spring Dance Concert

The annual Spring Dance Concert, featuring members of Penn State Abington's dance troupe, will be at 8 p.m. April 12 and 13 on the Mezzanine of the Physical Education Building on the campus. Tickets are \$5 for adults and \$1 for children under 12. For information, call (215) 881-7368.

'The Misanthrope'

Penn State Abington's Spring Theater Showcase will feature "The Misan-

thrope" by Moliere at 8 p.m. April 18, 19, 20 and 21 on the Helen Buck O'Neill Stage in the Sutherland Auditorium on the campus. Tickets are \$5 per person. For information, call (215) 881-7368.

Opera lecture

Moylan C. Mills, Penn State Abington professor emeritus of integrative arts, will lecture on "Porgy and Bess" at 2:30 p.m. April 22 in 112 Woodland Building on the campus.

His lecture begins before the featured opera of the Philadelphia Opera Company. The fee is \$15, \$5 for senior citizens. Students with a valid ID card are free. For information, call (215) 881-7368.

Art Film Series

Penn State Abington will continue its Friday Night Art Film Series with "All About My Mother" at 7:30 p.m. Friday, April 27, in 112 Woodland Building on the campus.

Moylan C. Mills, professor emeritus of integrative arts, will moderate the discussion. The fee is \$5. For information, call (215) 881-7368.

Duo in concert

The Munzer-Patterson Duo will perform at 2 p.m. Sunday, April 29, on the Helen Buck O'Neill Stage in Sutherland Auditorium on the Penn State Abington campus.

Soprano Susan Leider Munzer and mezzo-soprano Stephanie Dodd Patterson will sample many styles of American music. The concert is free to the public.

For information, call (215) 881-7368.



Reveal

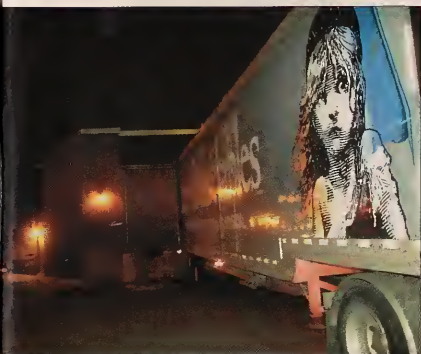
Producing a huge, musical production like Victor Hugo's "Les Misérables," which just finished five-performance run at Eisenhower Auditorium, has a lot in common with a military campaign. Both require large numbers of people and precision maneuvers to be successful.

Clockwise from right: Workmen prepare to join the sets with a bridge. With the entire bridge in place, the set revolves on a turntable built into the stage. Eight tractor-trailers were needed to haul the set to Eisenhower Auditorium. Students worked as production assistants alongside the professionals. They helped hang the scrims and curtains as well as lug boxes of materials onto the stage.

Photos: Greg



ling the mysteries of 'Les Miz'





University Park Calendar

April 6 - April 14

SPECIAL EVENTS

Saturday, April 7

"The Three Musketeers," ballet, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Monday, April 9

"Lighting the Frontier — The Story of Colorado's Florence Oil Field, Oil and Gas Operations Offshore," video, 12:05 to 1 p.m., 105 Oelke.

Wednesday, April 11

"Sequence Stratigraphy Plate Tectonic Computer Animation," video, 12:05 to 1 p.m., 105 Oelke.

Friday, April 13

The Basset Table by Susanna Centlivre, 8 p.m., Pavilion Theatre, through April 21, 2 p.m. matinee on April 21. For tickets, call (814) 863-0255.

MUSIC

Friday, April 6

The Penn State Opera Theatre, 8 p.m., Schwab Auditorium, through April 7. Tickets are \$4.50 at the door.

Saturday, April 7

98 Degrees, with special guests Baha Men, Dream and Obeah Morgan, 7:30 p.m., The Bryce Jordan Center.

Sunday, April 8

The Penn State Trombone Choir, 8 p.m., Recital Hall, Music 1.

Thursday, April 12

The Penn State Mallet Ensemble, Dan Armstrong, director, 12:10 p.m., 128 Music II.

Saturday, April 14

Godsmack, with special guests Staind, Cold and Systematic, 7 p.m., The Bryce Jordan Center.

SEMINARS

Friday, April 6

Mingxin Guo on "Nitrogen Leaching from Weathering Spent Mushroom Substrate Under Lab Conditions," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Jorge Schement on "From Universal Access to Universal Service: Americans and the Digital Divide," 4 p.m., 301 Steidle. Rev. Irene Monroe on "Queerly Religious: Issues of Spirituality in the LGBT Community," 8 to 10 p.m., Eisenhower Chapel.

Monday, April 9

Tony Oakympe on "Water Waves in Channels," noon to 1:15 p.m., 202 Hammond.

Or. Nawal el Saadawi on "The Situation of the Writer in Egypt Today," 12:40 to 1:20 p.m., 102 Kern.

Dr. Nawal el Saadawi on "Creativity, Politics and Women," 4 p.m., Heritage Hall, HUB-Robeson Center.

Tuesday, April 10

George Georgiou on "Expression of Complex Proteins in Bacteria: Genetic, Biochemical and Engineering Consideration," 10 a.m., 140 Fenske Laboratory.

Jay Kikkawa on a subject to be announced, 3:30 p.m., 339 Davey Laboratory.

Dr. Daniel Walter Nebert on "Environmental Susceptibility Genes Responsible for Human Toxicity and Cancer," 4 p.m., 108 Wartik Laboratory.

Cyrus Safiyya on "DNA-Lipid Complexes and Interactions with Cells: Supramolecular Assembly and Gene Delivery," 4 p.m., 22 Oelke.

Vikkie Mustad on "Development of a Novel Strategy for Management of Patients with Elevated Blood Cholesterol," 4 p.m., 5-209 Henderson.

Dr. Daniel Walter Nebert on "Environmental Susceptibility Genes Responsible for Human Toxicity and Cancer," 4 p.m., 108 Wartik Laboratory.

Rob Kuchta on a subject to be announced, 4 p.m., S5 Osmond Laboratory.

Wednesday, April 11

Serice Berry on "Finding Your Purpose," 11:30 a.m., The Nittany Lion Inn. For tickets, call (814) 865-7590.

John J. McArdle on "A Latent Difference Score Approach to Longitudinal Data Analysis," noon to 1 p.m., 108 Wartik Laboratory.

Phillip Day on "Expression Analysis of Oxidative Stress in Arabidopsis," 12:20 to 1:10 p.m., 105 Wartik Laboratory.

Derald Wing Sue on "Growing Up Asian in America: Lessons for Multicultural Education," 2 p.m., 352 Moore.



98 Degrees with special guests Baha Men, Dream and Obeah Morgan will perform at 7:30 p.m. Saturday, April 7, at The Bryce Jordan Center. For tickets, call (800) 863-3336 or (814) 865-5555, or check the Web at <http://www.bjc.psu.edu/>.

Michael F. Holt on "Rethinking the Political History of the Civil War Era," 5:30 p.m., 121 Sparks.

Cort J. Willmott on "Estimating Climate and Climatic Change from Lousy Weather-Station Networks," 7:30 p.m., 112 Walker.

Leo Gerard on "Globalization and the New Age of Activism," 7:30 p.m., Kern Auditorium.

Thursday, April 12

John Groves on "Oxometalloporphyrins: New Ooepolymers in Catalysis and Drug Design," 12:15 p.m., S5 Osmond Laboratory.

James Lukens on "Schrödinger's Cat Goes Superconducting: A New Test of Quantum Mechanics in a Macroscopic System," 4 p.m., 117 Osmond Laboratory.

Evelynn M. Hammonds on "Race and the Feminist Critique of Science," 4 p.m., 102 Kern.

Fulbright Application Workshop, Muriel Joffe, facilitator, 4 p.m., 129 HUB-Robeson Center.

Yuri L. Hanin on "Emotion and Performance: An Individualized Approach," 4:30 to 5:30 p.m., 112 Chambers.

Joan Gay Snodgrass on "How Perceptual is Perceptual Closure?" 5 p.m., The Nittany Lion Inn.

Anna Chave, author of Constantin Brancusi: Shifting the Bases of Art and Mark Rothko: Subjects in Abstraction, 8 p.m., Foster Auditorium, Pattee Library.

Friday, April 13

Barry Evans on "Development of a Comprehensive GIS-Based Modeling Approach to Support Watershed Assessments within Pennsylvania," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Chris Wernstedt on "Reality, Rhetoric and Risk in the Brownfields Cascade: The Timing of the Shrewd," 4 p.m., 301 Steidle.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19. "Everyday Use," paintings by Helen Klebesadel, through May 3.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

Exchange exhibition with the University of Wisconsin, through April 26.

"Wrapping Up," photography by Oan Saeling, through May 1.

Kern exhibit area

"Retreat" photography by Jason Fagone, through May 16. Commonwealth College Faculty Books, through April 30.

Pattee Museum of Art

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Daguerreotype Portrait in America," through May 20.

"An Artistic Friendship: Beauford Delaney and Lawrence Calcagno," through May 13.

Pattee and Pattee Library exhibit areas

"A Celebration of Women's History at Penn State," Pattee Library, through April 27.

"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetler and Chris Gaines Memorial Library Collections," through May 15.

"Penn State Commission for Women — Then and Now: Twenty Years of Progress," Pattee Library, through April 27.

"Overlooked Visions of the Past Century," 109 Pattee, through April 27.

"The Digital Photography Studio, Student Photographs," 109 Pattee, through May 20.

Ritner Center

"Moods of Contemplation," photography by Amanda N. Wise, through May 2.

West Halls exhibit area

"Photographic Ethnobotany: Peruvian Plants and People" by Benjamin Chermal, through May 13.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Director being sought for new Social Science Research Institute

The University is seeking a distinguished senior scholar to be the inaugural director of the Social Science Research Institute, which will officially open at the University on July 1.

The institute will support and facilitate collaborative and multidisciplinary projects as well as the work of individual investigators. The director will report directly to the sponsoring institute deans' executive committee, consisting of the deans of agricultural sciences, education, health and human development, and liberal arts, with the vice president for research an ex officio member. The initial term will be for three years, renewable by mutual agreement.

The director will help promote high-quality social science research on campus in addition to pursuing his or her own research agenda. Reporting to the institute director will be the directors of the Institute for Policy Research and Evaluation, the Survey Research Center, the Population Research Institute and other centers that might later emerge within the institute. The director will also work with fac-

ulty advisory committees as may be established. The position is expected to be half time, but there is some initial flexibility in this.

Qualifications include a tenured position at the University, national visibility in social science scholarship, a demonstrated record of securing external funding, ability to work with faculty in diverse fields and strong interests in interdisciplinary and collaborative research and graduate training.

Applications and nominations will be accepted from all social science faculty members, whether or not they are members of the four colleges named above. Applications received by April 16 will be assured of consideration; however, all applications will be considered until the position is filled.

To apply, send a letter of interest with current curriculum vitae, and three names of references to: Chair, Social Science Research Institute Director Search, in care of Karen Connelly, 111 Sparks Building, Box A, University Park, Pa 16802.

APPOINTMENTS

Penn State McKeesport gets new director of academic affairs

Margaret L. Signorella, professor of psychology and women's studies, was named new director of academic affairs for Penn State McKeesport.

She served as interim director of academic affairs since February 2000.

Signorella joined the Penn State McKeesport faculty in 1982 as an assistant professor of psychology. She was associate professor of psychology and women's studies from 1988 to 1996, when she became a full professor.

Signorella received a doctorate in psychology in 1979 and a master of science degree in psychology in 1976 from Penn State, respectively. Signorella graduated

with a bachelor of science in psychology from the University of Pittsburgh in 1976.

Before her tenure at Penn State McKeesport she taught psychology at Eastern Michigan University, State University of New York College at Brockport and as a graduate teaching assistant at Penn State.

Since 1978 Signorella has published numerous journal articles about gender-stereotyped attitudes, social issues and the use of technology in instruction. She has authored or co-authored several funded grants and has served as a guest reviewer or associate editor for psychology-related journals, abstracts, bibliographies and reviews.

Nelson head of Department of Curriculum and Instruction

Murry Nelson, professor of education, has been appointed head of the Department of Curriculum and Instruction in the College of Education.

Nelson, who joined Penn State in 1975, has been serving as the department's interim head for the past year. The three-year appointment begins July 1.

Nelson received the 1997 Penn State President's Award for Excellence in Academic Integration, held a 1983 Fulbright Senior Lectureship in Norway and was selected as a Committee on Insti-



Murry Nelson

tutional Cooperation Academic Leadership Program Fellow for 1999-2000. He has been the College of Education's ombudsman and has served on dozens of committees and councils both at Penn State and elsewhere. He was chair of the University Faculty Senate in 1999-2000.

He earned his doctorate in education and a master's degree in anthropology from Stanford University. He also earned a master's degree in teaching from Northwestern University.

Human resources assistant to the dean named for Smeal

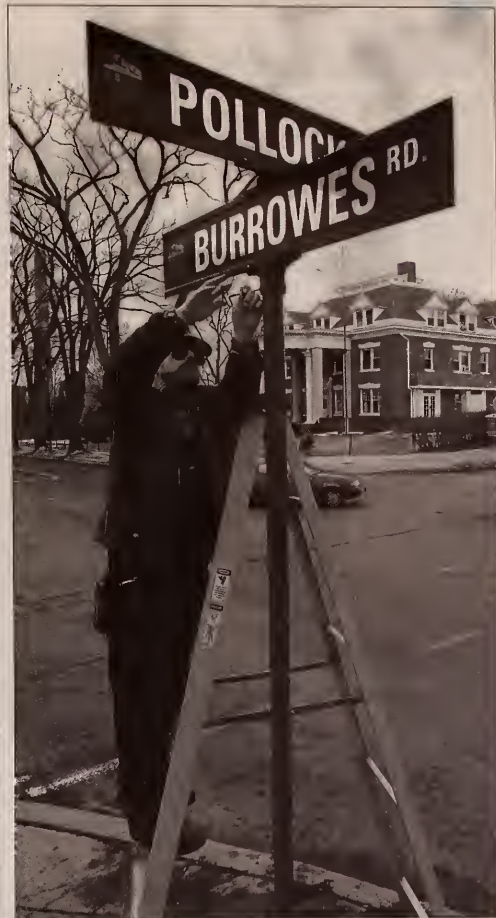
Joseph M. Burns is the new assistant to the dean for human resources in The Smeal College of Business Administration.

His responsibilities include managing and coordinating the full range of human resources activities within the college as well as initiating programs that promote

affirmative action, equal opportunity and a welcoming and supportive climate for a diverse workforce.

Burns has worked in a variety of human resources positions, including his most recent, assistant human resources manager of Cornell Co. in Phillipsburg.

At a crossroads



Frank Tice, an employee in the Office of Physical Plant landscape, repairs a street sign on the University Park campus. With graduation coming up in early May, plenty of visitors will be relying on the signs to help them find their way around.

Photo: Greg Greco

COURSES

Health Matters

To register for or learn more about these programs on the University Park campus, call Health Matters at (814) 865-3085 or register online at <http://www.ohr.psu.edu/webClassic/catalog/healthmatters.cfm>.

■ Seated Massage for the Office — WEL 242

Learn how to give a back and shoulder massage at a desk. Meets noon to 1 p.m. April 12 in 301A Agricultural Administration Building. Presenter: Kathie Sodeinde, certified massage therapist. Cost: \$5.



Private Giving

University ranks highest in nation in alumni giving

For the fourth year in a row, Penn State has been named the nation's top-ranked university in the number of alumni donors, according to an annual survey released in March by the New York-based Council for Aid to Education.

For the fiscal year ending June 30, 2000, a total of 71,423 alumni made gifts to the University totaling \$50.7 million. Harvard University was second, receiving donations from 66,138 of its alumni. The University of Michigan ranked third, with 65,102 alumni donors.

"These figures reflect the generosity of our alumni and the deep pride they have in

"These figures reflect the generosity of our alumni and the deep pride they have in the University's accomplishments ..."

President Graham B. Spanier

the University's accomplishments, as well as their ongoing faith in its direction and future," said President Graham B. Spanier. "This good news also is a result of the ded-

ication and hard work by the volunteers and professional staff involved in our Grand Destiny capital campaign."

The Grand Destiny campaign, which began in 1996 and is scheduled to end June 30, 2003, aims to raise \$1 billion in private support to strengthen the University's overall mission of teaching, research and service.

Penn State first emerged at the top position of the council's report in 1997, with 66,072 alumni making donations, edging out Harvard University by 78 donors. The 1999-2000 report has Penn State leading Harvard by 5,285 donors.

Leading the Way

The Faculty and Staff Campaign 2001



THE
PENN STATE
CAMPAIGN

"When I was an undergraduate, advanced ROTC helped prepare me for combat and survival as a paratrooper in World War II. After the war, the GI Bill and again Penn State — with a three-quarter time assistantship — made it possible for me to complete my graduate field of study, and Penn State offered me a position as assistant professor of botany in 1950. For the next 28

years it was my privilege to serve the University in teaching, research and extension. Also, two of our children are Penn State graduates. Is it any wonder that my wife, Libby, and I would want to support Penn State enthusiastically in my retirement years?"

— Leon Kneebone, a member of Penn State's class of 1942, joined the University faculty in 1950 and is now professor emeritus of botany and plant pathology.

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/facultystaff.asp>

PARTINGS

Biochemistry professor retires after 34 years

Allen Phillips, professor emeritus of biochemistry, has retired from the Eberly College of Science after 34 years.

Phillips taught a variety of undergraduate and graduate courses in biochemistry and microbiology. He was associate department head for the Department of Biochemistry and Molecular Biology from 1984 to 1987 and was acting head in 1986.

He served as a member of the University Isotopes Committee and has been the group's chair since 1989. He also served on Graduate Council, the University Faculty Senate and on the University Promotion and Tenure Committee. He served as faculty adviser to the Biochemistry Society from 1982 to this year. He has trained numerous doctoral-degree candidates, master's candidates and post-doctoral scholars.

Before joining the University in 1967, Phillips was an assistant professor at Louisiana State University. He was promoted to professor at the University in 1971 and served as a visiting professor at Stanford University in 1992, a visiting professor at Purdue University in 1982 and a visiting scientist for the National Institutes of Health in Bethesda, Md., in 1974.

Phillips was a contributor to NASA Space Shuttle Mission STS-60 in 1994 with an experiment to evaluate the impact of a zero-gravity environment on induced gene expression.

Senior director says goodbye after 28 years

Donald T. Suit, senior director, information technology in Student Affairs, has retired after more than 28 years at the University.

Suit earned his bachelor's degree in history in 1959 and his master's degree in counseling psychology in 1960, both from the University of Florida. Suit continued his education by earning a doctorate degree in clinical and counseling psychology from Michigan State University in 1970.

Before coming to Penn State, Suit was an assistant professor in the psychology department and later, assistant dean of students and associate professor, both at Northern Michigan University; and dean of students at Ferris State College.

Suit began his career at Penn State by serving as director of judicial affairs from 1972 until 1997. In 1997 Suit became the senior director of information technology, a position he held until his retirement this year.

Suit served in many organizations and community activities and received many awards and honors throughout his career.

In his retirement Suit plans on exploring several volunteer opportunities including literacy training. In addition, he plans to continue with his hobbies which include stained glass, wood working and light construction.



Focus on Research

Better rain predictions could improve flood forecasting

By ANDREA ELYSE MESSER
Public Information

Forecasts for heavy rains in the Middle Atlantic region of the United States often come too late to predict flooding accurately, but evaluations of past storms with different forecasting methods may improve flood prediction, according to two Pennsylvania meteorologists.

"The problem in Pennsylvania is flooding," said Paul G. Knight, state climatologist at University Park. "Pennsylvania is one of the more flood-prone states in the nation. It is in the top quarter."

Pennsylvania is laced with rivers, creeks, streams and mountains, making it vulnerable to flooding. Pennsylvania also is flood prone because flooding is not a phenomenon of only one season.

"In the spring and fall we get slow

floods as the ground saturates and streams fill, in the winter, rain on frozen ground, along with snow and ice melt often causes flooding and in the summer, thunderstorms and tropical storms also cause flooding," Knight said.

"Pennsylvania is one of the more flood-prone states in the nation. It is in the top quarter."

Paul G. Knight

These varied weather conditions contribute to the difficulties in forecasting heavy rains. The computer models that help forecast weather employ convective parameterization schemes to account for atmospheric conditions that are not completely rendered in the models. In essence, these schemes are fudge factors that help the models approximate rainfall

and improve forecasts.

"Thunderstorms, for example, are rather small and fall between the grid points in our models," Knight said. "Convective parameterization schemes try to account for such events that are smaller than the models can see."

Reducing the size of the grid squares is not yet an option because the increase in data points dramatically increases the amount of computer time and power necessary to run the models.

Heavy rainfall baseline

Working with Michael S. Evans, National Weather Service meteorologist, Knight initially looked at case studies to produce a baseline of data on heavy rainfall events in the area covered by the Middle Atlantic River Forecast Center of the National Weather Service in State College.

His current project expands and updates the baseline data on climate to include more data. Problems arise because past data are not in the same time frame or even the same small river basins as recent data. The baseline data helps in reviewing how different schemes to estimate the effect of thunderstorms work in predicting flooding. The researchers looked at several recent floods to see how different schemes predicted rainfall.

For example, the August storm that broke the 1999 mid-Atlantic region drought created twin flash floods in the Bradford and Mifflinburg areas. The storm caused more than \$25 million in damage in the Bradford area alone.

"These twin floods posed a serious challenge to forecasters since both operational and experimental models predicted a wide range of scenarios," Knight said.

The researchers tested three different model configurations on the storm to see which produced the best fit for the actual event.

Each model kept the same grid spacing but used different thunderstorm rainfall schemes. Of the three models tested, only one came close to predicting the rainfall that actually fell during the storm.

"These results do not mean that the scheme that produced



Paul Knight, state climatologist at University Park, checks the precipitation levels with weather instruments on the top of the Walker Building. Knight is researching better ways to predict floods.

Photo: Greg Grieco

the best results is the best scheme to use all the time," Knight said. "Depending on the season and the atmospheric conditions, different schemes are the best for different sets of conditions."

Predicting floods

The researchers are trying to determine which schemes should be employed in which situations, but that will require more case studies and model testing. Ultimately, Knight and Evans would like to be able to predict storms with flood potential a day or two in advance.

The research was funded by a Cooperative Operational Meteorological Education and Training grant administered by the University Corp. for Atmospheric Research. COMET grants are intended to foster rapid technology transfer of research in forecasting to the forecasting community. The grants are given for cooperative work between universities and the National Weather Service and are regional in focus.

Andrea Elyse Messer can be reached at aem1@psu.edu

Executives need to practice moral management

By PAUL BLAUM
Public Information

Business executives must be both moral people and moral managers to be ethical leaders or employees will assume that they are ethically neutral and care only for the bottom line, a researcher said.

"It isn't enough for an executive to have a reputation for personal integrity. That communicates to employees what the executive is likely to do — a good start, but it does not necessarily tell workers what they themselves should do. Executives need to focus on moral managing — taking the ethics message to the rest of the organization," said Linda Klebe Treviño, chair of the Department of Management and Organizational Behavior in The Smol College of Business Administration. Treviño, Laura Pincus Hartman, associate professor of management at DePaul University, and Michael E. Brown, graduate student in business administration, conducted interviews with 20 senior executives and 20 corporate ethics officers.

A number of the executives interviewed cited former Sunbeam chief "Chainsaw Al" Dunlap as a prime example of unethical executive leadership. He was unethical on a personal level, engaging in emotional abuse of employees and operating by virtual intimidation. Dunlap resorted to dishonest management practices, exaggerating sales and earnings reports and presenting a false picture of the company's financial health to Wall Street analysts. The board of directors fired him.

In contrast was Johnson & Johnson CEO James Burke, who brought together 28 senior managers to study the corporate credo of values and to make changes, if they saw fit. Through this collaborative effort, Johnson & Johnson revised its credo of values, and Burke made sure that the new version was enforced.

Moral managers can stress the role of ethics first by serving as authentic and persuasive role models. This has to be done in a manner that is continually visible to employees, who judge by deeds, not words or intent.

"Second, moral managers need to talk about ethical values from the top, not in a sermonizing way, but in a way that explains the values that guide important decisions and actions," said Treviño. "Third, using rewards and discipline effectively may be the most powerful way to send signals about desirable and undesirable conduct. That means rewarding those who accomplish their goals by behaving in ways that are consistent with stated values and disciplining employees at all levels when they break the rules."

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Bringing tradition to life



An inter-tribal dance was one of the events during the University's first-ever Traditional American Indian powwow celebration. The powwow was the closing event in an American Indian Leadership conference at the University to recognize 30 years of American Indian Leadership. Titled "A Tradition of Leadership," the powwow was held at The Penn State Conference Center Hotel on the University Park campus and brought together several American Indian dance troupes including the Allegheny River Dancers from the Iroquois Nation and American Indian dancers representing Ojibway and Lakota styles from the Ohio River Valley. The American Indian Leadership Program is one of the most prestigious graduate programs for American Indian education students in the nation.

Photo: Greg Gineco

MBNA Career Services Center one step closer to reality

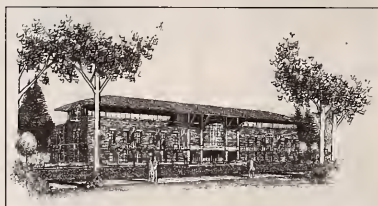
The University celebrated a ceremonial ground-breaking April 3 for the new MBNA Career Services Center on the University Park campus. The new facility will bring all the programs and functions of Career Services under one roof, and will make the process of matching students and alumni with prospective employers easier and more efficient.

The building will be located on Bigler Road across from the Natatorium. Actual construction is slated to begin in July, with completion targeted for the summer of 2002. The new, state-of-the-art facility will feature more than 40 interview rooms, video-conference interview rooms, program areas, resource library and corporate and student service areas. The center also will offer programs specifically designed to enhance career services for alumni.

In a typical year, employers conduct more than 20,000 job interviews through Penn State Career Services, according to Director Jack Rayman. MBNA America Bank provided a \$4.5 million lead gift to help build the 44,000-square-foot building, and additional corporate sponsors who recruit at the University also made donations. In addition, MBNA contributed \$500,000 to assist in developing alumni career services. Total cost of the building is \$9.5 million.

Thus far, the following donors have made gifts to support the construction of the MBNA Career Services Center:

- Building donor: MBNA America Bank, N.A.;
- Morgan Academic Support Center for Student Athletes donor: The Morgan Family;
- Major public area donors: Penn State Alumni Association, The Struthers Family and Kimberly Clark Corp.;



This artist's rendering shows the MBNA Career Services Center, which is targeted for completion in the summer of 2002.

■ Interview room donors: Black & Decker Inc., Corning Inc., The Dow Chemical Co., Eastman Kodak Co., The Goodyear Tire & Rubber Co., Johnson & Johnson Corp., Lockheed Martin Corp., Lutron Electronics Co., Macy's East/Federated Department Stores, Marconi Communications, MasterCard International, The May Department Stores Co./Kaufmann's/Hecht's/Strawbridge's, National Starch and Chemical Co., Northrop Grumman Corp., Pricewaterhouse Coopers LLP and Schlumberger Technology Corp.;

■ Additional donors: American Management Systems, Philip and Susan Burlingame, and Hewitt Associates; and

■ Penn State Class of 1951 Endowed Scholarship donor: Towers Perrin.



Intercom

INFORMING THE PENN STATE COMMUNITY

APRIL 12, 2001

Kellogg Mini-Grants awarded for campus, community initiatives

Fifteen diverse teams of campus and community members have been recognized for their work on projects that engage the community and community concerns.

Kellogg Mini-Grants, ranging from \$1,200 to \$8,000, were awarded to fund the projects, each of which addresses recognized campus/community issues. Among the projects are the youth leadership program at Penn State New Kensington; a victim to victory community coalition at University Park; and an early awareness program at Penn State York.

"These initiatives are excellent examples

of how Penn State and the community can work together to improve the quality of life," said President Graham B. Spanier.

The awarding of the mini-grants is part of Phase II in the Leadership for Institutional Change Initiative (LINC), a partnership between Penn State and Cheyney University, which is funded by the Kellogg Foundation. The initiative was started in 1998 for the purpose of developing new leadership models that will allow land grant institutions to strengthen ties between institutions and their constituents. The first phase of the LINC Initiative featured a

national dialogue among selected land grant universities about defining flexible and dynamic leadership models for the 21st century.

"The purpose of the second phase is to continue to learn from Phase I, by putting into practice the concepts and models of change and leadership development," said Louise E. Sandmeyer, executive director of the Center for Quality and Planning.

Sandmeyer and David Day, associate professor of psychology, are co-directors of the Kellogg LINC Initiative.

An example of the collaboration between

campus and community members is the Youth Leadership Program administered by Leadership Centre County.

"Our goal is to provide programming to youth entering grades 10 and 11 that will promote a better sense of community and civic responsibility," said Georgia Abbey, executive director of Leadership Centre County.

The program works directly with the five school districts of Centre County in the recruitment and selection of the youth par-

Kellogg, page 2

Book sale this weekend



Louise Tukey, left, and Martha Hummel sort through books in a storage area in advance of the 40th American Association of University Women Book Sale, which will be held April 13-16 at the Ag Arena on the University Park campus. Hours are 9 a.m. to 9 p.m. daily. Sunday is half-price day and Monday is Bag Day. The event features more than 250,000 used books, paperbacks, CDs, tapes, maps, magazines and sheet music. Proceeds benefit fellowships and educational projects at the University. Admission is free.

Photo: Greg Gleico

52 students awarded Mitte Scholarships

Roy F. and Joann Cole Mitte have a vision to help colleges and universities build future leaders, not just academically, but in the community as well. That was the primary motivation behind the couple's establishment of the Mitte Foundation in 1997 and their recent gift of \$8.2 million to The Smeal College of Business Administration.

Fifty-two current MBA and undergraduate students enrolled in Smeal College were notified this month that they are the first students at the University to each receive a \$5,000 annual scholarship — that may be renewed — from the Texas-based Mitte Foundation. Twenty-three additional scholarships will be awarded to incoming undergraduate and MBA students over the next few weeks.

The gift will provide scholarships to 60 undergraduate and 15 MBA students each year over the course of 20 years.

Scholarships, page 2

Students benefit from electronic resources

By BILL CAMPBELL
Special to Intercom

Compustat, ExecuComp, TableBase, Proquest Direct, Miltex.

Doesn't read much like a best-seller list, but that's exactly what it is in today's digital library.

As more and more information becomes available in electronic format, the University Libraries are increasing the emphasis on electronic resources.

"We are beginning to take our place as a world-

Resources, page 3

Kellogg

Continued from page 1

ticipants, and consists of nine program days throughout the year, each day focusing on a different topic, such as history, community issues and leadership traits. By the end of the program year, the class members select, plan and execute a community project.

"The University is involved as part of its commitment to the Kellogg Commission definition of an 'engaged institution,'" said Bruce Ellis, administrative director for undergraduate programs in The Smeal College of Business Administration.

Ellis said engaged institutions are productively involved with their communities through the development of partnerships and programs that enrich the community and enhance the student experience by their involvement with the various partnerships.

"The Youth Leadership Program provides the opportunity for the University to be engaged in a meaningful way for both parties," he said. "For example, students from the Penn State AT&T Center for Service Leadership are involved with the Youth Leadership Program as mentors, community project leaders and leadership trainers."

The next call for mini-grant proposals will be in fall 2001. For a complete list of Kellogg Mini-Grant recipients, check the Web at http://www.psu.edu/president/cqi/LINC/grant_awards.htm. For more information about the LINC Initiative, check the Web at <http://www.psu.edu/president/cqi/LINC/overview.htm>.

Scholarships

Continued from page 1

The Mitte Foundation's primary mission is to enhance the future of the world through the development of outstanding business scholars, according to Scott Mitte, executive director of the Mitte Foundation. Nationally, the foundation expects to have 15,000 Mitte Scholars in the next 20 years.

The Mitte Foundation, based in Austin, Texas, has committed \$45.1 million to cultural and educational programs since 1997, including gifts to universities such as Southwest Texas State University, Texas A&M University and The Ohio State University, and community programs such as Leadership Austin, Habitat for Humanity, the Rotary Club of Austin and the Lone Star Girl Scout Council.

Penn State was the first school the Mitte Foundation visited outside of Texas.

The gift enables the University to support especially talented students and prepare them to become community and business role models.

Recipients of Mitte Scholarships must participate in community service and maintain superior academic records each semester that they receive the award.

Both Mitte Undergraduate Scholars and Graduate Fellows may have their scholarships renewed each year if they continue to meet the academic and leadership criteria.

Groundbreaking ceremony



Ric Struthers, senior vice chairman of MBNA America Bank, is interviewed after the groundbreaking ceremony for the MBNA Career Services Center, to be built next to the Computer Building at University Park. The new facility will bring all the programs and functions of Career Services under one roof, and will make the process of matching students and alumni with prospective employers easier and more efficient. Construction is slated to begin in July, with completion targeted for the summer of 2002.

Photo: Greg Grieco

New observatory brings Erie sky into sharper focus

Students, faculty and visitors to the Open House Nights in Astronomy at Penn State Erie will be observing the skies more clearly thanks to an advanced telescope and observatory to be dedicated later this month.

The new equipment is a gift of Robert and Elizabeth Mehalsos of Fairport, N.Y., and their family. Robert Mehalso is a 1964 graduate of the University who attended Penn State Erie in 1961 and 1962.

The new Meade Instruments Corp. refracting telescope is four feet long and has a lens that is seven inches in diameter. It is completely computer-controlled with software that permits automated access to thousands of objects in the sky. The telescopic images can be transmitted to a larger viewing screen placed just outside the observatory or in the Otto Behrend Science Building lecture hall.

The Mehalsos' gift includes a charged coupled device (CCD)

that is used to record and save pictures from the telescope. The CCD is similar to a digital camera but offers astronomers a broader range of photographic options.

The new telescope is housed in an Ash dome, an observatory building made by the Ash Manufacturing Co. Fourteen feet in diameter at its base, the dome is more than 14 feet high. Both telescope and dome rotate, and a panel in the dome slides back for telescopic viewing. The observatory site is fully handicapped accessible with paved walkways and wider doors.

Penn State Erie's older, smaller observatory is still in use. It houses a 12-inch reflecting telescope. Physics and astronomy students will use this telescope for undergraduate research projects.

The next Astronomy Open House Night is scheduled for April 19 and a follow-up program will be held on Astronomy Day, April 28.

University names 5 distinguished professors

In recognition of their outstanding contributions to the University, five faculty members have been given the title of distinguished professor. This special academic title is intended to recognize a limited number of outstanding professors.

Candidates for appointment as distinguished professors are nominated by their peers, departments or programs. They must be current, full-time active members of the faculty holding the rank of professor, not currently holding an endowed chair, professorship or faculty fellowship.

More information about the appointment of distinguished professors is available on the Web. Go to <http://www.ohr.psu.edu/> and click on policies.

The newly named distinguished professors are:

Agricultural Sciences

Gary J. Killian, reproductive physiology
Dennis J. Murphy, agricultural engineering

Commonwealth College

Adam J. Sorkin, English, Penn State Delaware County

Engineering

Iam-Choon Khoo, electrical engineering
K. Kirk Shung, bioengineering

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Resources

Continued from page 1

class leader in building a digital library," Bonnie MacEwan, assistant dean for collections in University Libraries, said. "We always have been in the forefront of purchasing electronic resources. Five years ago we set a benchmark to place us among the top libraries in the country in terms of electronic holdings."

The Libraries have surpassed that mark and set another goal to continue the process.

"Because of Penn State's broad mission, our holdings are broader but perhaps not as deep as some other libraries. We are now working on depth. Another area where we will be moving forward will be in the actual creation of some electronic resources."

Drew Smith, a first-year MBA student, uses Proquest as his resource of choice.

"It has been invaluable to me in my research," he said. "It is a comprehensive service through which I can obtain necessary background information at any time. It is an expensive service which I couldn't afford on my own, but I'm able to access it through the University Libraries."

Tracy Mason, another first-year MBA student, also relies heavily on the electronic holdings in the Schreyer Business Library, located on the third floor of the Paterno Library.

"Recently I needed information on the pharmaceutical industry in Europe from 1989 to 1994 and I was able to access it almost immediately through the electronic resources available in the Library," she said. "There is so much available and it's easy to sort through and find what you need. In today's society, with its quick pace and technological emphasis, you need information quickly. There is a myriad of information available to researchers, but the key is a system through which you can pinpoint the answers to your questions. The library is our best resource."

Under the direction of Gary White, the Schreyer Business Library has become a model for using electronic resources. In recent months, the library has implemented a number of significant resources, including the Wharton Research Data Services, which offers Web access to a number of important financial databases such as Dow Jones Averages, FDIC Research Information and the NYSE Trade and Quote (TAQ).

"Our goal is to serve the gamut of research and scholarly needs of faculty and students in business courses," White said. "We want our faculty and students to have access to the top products. Only six Big Ten schools have the Wharton Service and there are only 36 clients in the country. The databases are licensed and we require vendors to allow University-wide access to the material."

"In order to be a top institution, we have to have access to these resources. There are so many users at Penn State that they would not be able to access print material at one given time. Our electronic resources allow users access any time from any-

where. Many products allow for multiple users of the data at the same time."

According to MacEwan, many faculty and students want the emphasis on electronic resources to proceed at a faster pace.

"It is occurring as quickly as we can do it," she said. "The contributions of librarians like Gary White have been significant. In reconfiguring resources, our plan is to work through each subject area in the Library. We are making a collective analysis of electronic resources in terms of what we have and what we need to enhance our breadth and depth. We are doing it thoroughly and intensely."

MacEwan said that electronic resources are tremendously expensive.

"It is a very costly transition in that we need to maintain both a traditional collection and an electronic collection. We want to add to our book collection and actively collect scholarly journals. That is very much a part of our mission and we don't forget that."

Use of electronic resources is not limited to faculty and student research. The Smell College Advising Center relies heavily on it to assist students in selecting a major and making career choices. David Christy, associate dean for undergraduate programs, said the center uses electronic resources almost completely in helping students decide on a major and encourages them to use programs such as Hot Jobs, Darn Good Resumes and Salary Calculator.

"They become more comfortable in searching for and using the databases," he said. "Using the available electronic resources, we try to get them to link their choice of a major to a career, recognizing that there are a number of paths to a career. We've also incorporated the electronic information on academic majors and careers and career planning into our First Year Seminars this semester. It gives us an entirely new set of resources."

MacEwan believes that, as more information becomes available in digital format, the role of library as the intellectual center or cornerstone of the University will become more significant.

"We are here to provide information and we're finding that more groups of students come here to work on team projects and share information. You often hear students saying, 'Let's meet at the library.' If anything, in this new environment, that role becomes more important," she said.

"The increase in the number of electronic resource users is truly astonishing. And, we are providing more instruction than ever, teaching our clientele to understand the nature of information on the Web, to evaluate its quality and to think about its sources."

Information about the Schreyer Business Library, including a complete list of electronic products, is available on the Web at <http://www.libraries.psu.edu/crsweb/business/>.

Bill Campbell can be reached at wjcl1@psu.edu.

Flyin' high



Sophomore Dawn Noga, a member of the University's Flyin' Lions, uses duct tape to secure protective padding to sharp edges of the group's Subject Load Device after it was moved onto NASA's KC-135 in preparation for flight. The Flyin' Lions is an interdisciplinary team of undergraduate engineering students who got together in fall 1999 to create a microgravity experiment that was ultimately chosen to fly on the NASA aircraft nationally known as "The Vomit Comet." Members of the team flew with their experimental device on March 29 and 30. The crew that flew March 29 made "Vomit Comet" history. For the first time ever in the Reduced Gravity Student Flight Opportunities Program, not a single student got sick on the flight. For full coverage of the trip, check the Web at <http://wps.psu.edu/flyin.html>.

PENN STATERS

John W. Bagby, professor of business law in The Smell College of Business Administration, presented a paper titled "Conceptual Framework of Privacy: Reconciling the Property Rights with Regulation" during the Intelligent Transportation Society of America's "Big Brother by the Bay: Protecting ITS Privacy and Enhancing Location Commerce" conference in San Francisco.

Dan Carter, director of the School of Theatre, was elected to serve a second term on the Commission on Accreditation at the annual meeting of the National Association of Schools of Theatre in Richmond, Va. The commission reviews materials and makes a decision about accreditation status based on association standards and guidelines.

Paul W. Howe, assistant professor of business administration/travel-tourism at Pennsylvania College of Technology, presented lectures on "Marketing Fundamentals" and "Niche Marketing at Air Jamaica's 'World of Travel 2001' conference at Montego Bay, Jamaica. The conference is held for travel and tourism industry professionals.

Steven J. Huddart, associate professor of accounting, presented "An Empirical Examination of Tax Factors and Mutual Funds' Stock Sales Decisions," at the 2001 University of North Carolina Tax Symposium. He co-authored the paper with V.G. Narayanan of Harvard University.

Dennis Lin, professor of management science and information systems, was recently in South Korea to lecture on statistics and quality engineering at the Open University at Seoul. The hour-long lecture, "What Statistics Is All About and Modern Quality Engineering," was videotaped and is now being broadcast throughout South Korea. In addition, Hyundai Motor Co. and the Korea Statistical Society recently held a one-day workshop on supersaturated design in his honor.

Brent Wilson, professor of art education in the School of Visual Arts, presented a paper, "Transforming Texts, Connecting Worlds: Students, Museums and Visual Culture," in the seminar "Access to Art: How Do We Make it Possible?" in Stockholm, Sweden. The seminar was organized by the Modern Museum as part of the Stockholm Art Fair 2001.



Lectures

'Human Evolutionary Mosaic' to be traced

Alan Walker, distinguished professor of anthropology and biology, will present the annual Dean's Lecture in the College of Medicine at The Milton S. Eshelby Medical Center in Hershey.

His lecture, "The Human Evolutionary Mosaic," will be presented at 4 p.m. Tuesday, April 17, in the hospital auditorium. A reception will follow.



Alan Walker

Walker has made many important discoveries during the past three decades at paleontological digs in Africa with his collaborators Richard and Meave Leakey. He has been a member of the University faculty since 1995. Before that he was a professor at Johns Hopkins University from 1978 to 1995 and an associate professor at Harvard University from 1974 to 1978.

Harvard professor to present physics lecture

David Nelson, the Mallinckrodt professor of physics at Harvard University, a MacArthur Fellow and an elected member of the National Academy of Sciences, will present the 2001 Erwin W. Mueller Memorial Lecture at 4 p.m. Wednesday, April 18, in 117 Osmond Laboratory on the University Park campus.

The free public lecture is titled "Viruses, Vesicles and Multi-Electron Bubbles: J.J. Thomson Revisited."

Nelson's research focuses on collective effects in the physics of condensed matter.

His particular interest has been the interplay between fluctuations, geometry and statistical mechanics.

The Erwin W. Mueller Memorial Lecture in Physics honors the late Erwin W. Mueller, who was a member of the Department of Physics from 1952 until his death in 1977.

Coal science planned to be the topic for 3 talks

The Department of Energy and Geo-Environmental Engineering in the College of Earth and Mineral Sciences is featuring three lectures on the University Park campus.

Adel F. Sarofim, presidential professor in the College of Engineering at the University of Utah and senior technical adviser to Reaction Engineering International, will give two lectures as part of the 12th Annual Peter H. Given Lectureship in Coal Science. Both lectures will be held from 4 to 5 p.m. in C213 Coal Utilization Laboratory. Sarofim will speak on "Health Effects

of Fine Particles" Wednesday, April 18. On April 19, Sarofim will speak on "The Formation of Inorganic Aerosols During Pulverized Coal Combustion."

The department also will present the 10th Annual G. Albert Shoemaker Lecture Series in Mineral Engineering. Thomas J. O'Neill, president and chief operating officer of Cleveland-Cliffs Inc., will speak on "Lessons Learned in Mining or Why Mining Isn't Anywhere Near 'Dead'" from 4 to 5 p.m. Friday, April 20, in 26 Hosler Building.

For information, call (814) 865-3439.

Communicator to discuss 'Superwoman Style'

"A Day Just for You," the third annual Women's Health Symposium, will be held Saturday, April 21, at Penn State DuBois.

Communications expert and author Mary Maloney will be the keynote speaker for the day-long event, which also features a gourmet luncheon, displays by local artisans, businesses and health-care organizations, and a variety of speakers on topics ranging from gardening and home repairs to business issues and self-improvement.

Maloney will present "Communications, Superwoman Style" and demonstrate how women can better balance work, family and personal needs by assessing their commu-



Mary Maloney

nication effectiveness. She also will offer tips on how to deal with difficult people and how to stay upbeat even under stress.

Maloney is an adjunct professor with the A.J. Palmquist School of Business at Duquesne University.

The cost is \$25 per person or \$40 per couple. The fee includes lunch, morning and afternoon refreshments, and materials. The event begins at 8 a.m. and concludes at 4:30 p.m.

Registration is required by April 13. To receive a registration form and more information about the individual speaker sessions, call (814) 375-4636 or (888) 920-INFO.

Berkeley professor to talk on race and racism

Michael Omi, associate professor of ethnic studies at the University of California at Berkeley, will discuss "The Language of Race and Racism" at 11:30 a.m. Friday, April 27, in 209 Henderson South on the University Park campus.

Omi is co-author of *Racial Formation in*

the *United States* and has written numerous articles on racial theory and politics.

He is completing a study of the emerging practices of anti-racist organizations in the United States.

For information, call (814) 863-7108.

'What's Next After Napster?' will be explored

University Trustee Barry K. Robinson will be the guest speaker for the final get-together in the Spring 2001 Conversations at Kern Series to be held from 5:15 to 6:30 p.m. Friday, April 20, in 112 Chambers Building.

This is a change in location and date from what was previously announced.

Robinson's topic will be "What's Next After Napster? Challenges and Opportunities Ahead for the Music Recording Industry."

Registration is not required and refresh-



Barry K. Robinson

ments will be available at 5 p.m. Robinson, a University alumnus, is senior counsel for corporate affairs for the Recording Industry Association of America. The association works to protect intellectual property rights worldwide and the First Amendment rights of artists. His talk will focus on issues dealing with the enforcement of intellectual property rights in the electronic realm and the movement toward establishing business models for the electronic delivery of recordings.

Panel to discuss implications of sweatshop labor

Four faculty members from The Smear College of Business Administration are among the speakers at an upcoming program designed to educate about the implications that sweatshop labor and global trade have on the future.

The event, "We are the Future: A Discussion of How We Can Affect the Treatment of Our People While Maintaining Efficient Global Trade," takes place 7-9 p.m. Thursday, April 19, in Heritage Hall, HUB-Robeson Center on

the University Park campus.

Panel members include: Philip L. Cochran, associate professor of business administration and director of the Center for the Study of Business and Public Issues; Vernis Welton, assistant to the dean for diversity enhancement and international programs; Jerome D. Williams, associate professor of marketing; and Andrew Bergstein, instructor in marketing.

The event is free to the public.

Former Iraqi nuclear weapons chief to speak

Kadir Hamza, Iraqi defecter once responsible for Iraq's clandestine nuclear weapons program, will speak at 7 p.m. Wednesday, April 18, in the Study Learning Center at Penn State Worthington Saranot.

In his newly released book, *Saddam's Bombmaker*, Hamza reveals the story of Hussein's current nuclear agenda. He knew Hussein and lived in the presidential compound in Baghdad for several years.

Hamza attended the Massachusetts Institute of Technology and Florida State University and has degrees in nuclear physics. He returned to Iraq in 1970 and spent several decades in Iraq building the country's nuclear weapons program. Hamza is currently an author and consultant in Washington.

For lecture information, call (570) 963-2700. The event is free to the public.

Adult learners are the focus of May conference

The Commission for Adult Learners' second annual Hendrick Conference will be held May 17 at the HUB-Robeson Center on the University Park campus.

The conference will look at best practices for recruiting and retaining adult learners. Other highlights of the daylong

event include a panel of adult learners representing the University campus system and a best-practices showcase.

The conference is open to staff, faculty and students. Cost is \$15. More information and an online registration form can be found at <http://www.sa.psu.edu/commission/>

Agronomy seminar focus is 'estuarine sediment'

Sanjay Parikh, a master of science degree candidate in soil sciences in the Department of Agronomy, will give a presentation from 3:35-4:25 p.m. April 13 in 101 Agricultural Sciences and Industries Building

on the University Park campus.

The topic will be "Sorption and Desorption of PAHs to Estuarine Sediment and Humic Fractions."

For information, call (814) 863-1601.

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that goes out two or more times a week from

the Department of Public

Information and includes news for employees.



News in Brief

Intercom schedule

With the end of spring semester approaching, *Intercom* is preparing to return to its summer publication schedule. Beginning with the April 26 issue, *Intercom* will publish every other week through the end of summer. Weekly publication will resume Aug. 23.

Publishing dates for the *Intercom* during the spring and summer follow:

Publication date	Copy deadline
April 19	April 11
April 26	April 18
May 10	May 2
May 24	May 16
June 7	May 30
June 21	June 13
July 12	July 3
July 26	July 18
Aug. 9	Aug. 1
Aug. 23	Aug. 15
Aug. 30	Aug. 22

All information for publication in *Intercom* should be sent in the body of an e-mail to AMountz@psu.edu by noon on the deadline day. Please note that the deadline for the July 12 issue is earlier than normal because of the July Fourth holiday.

Due to the volume of information received, hard copy or faxed material will not be accepted for publication unless the sender does not have access to e-mail. Due to space constraints, items will be published only once per semester. Events that take place on the same date that *Intercom* is published will not be included in that issue.

For a list of guidelines, check the Web. Go to <http://www.psu.edu/INTERCOM/> and click on the link to guidelines.

Legal Research Seminar

The University Libraries will present a Legal Research Seminar from 10-11 a.m. April 13 in the Gateway Instructional Lab, 104 Pattee Library on the University Park campus.

Register by calling Andrew Sharp at (814) 865-9257 or e-mailing signup@psulias.psu.edu. More information is available on the Web at <http://www.libraries.psu.edu/pubinfo/libraryinstru.html>.

Deadline extended

The Commission on Lesbian, Gay, Bisexual and Transgender Equity in the Office of the Vice Provost for Educational Equity has extended the nomination deadline for membership for the 2001-2002 academic year. Nominations will be accepted until April 17.

Nomination forms may be obtained from the commission office, 311 Grange Building, University Park, or on the Web at <http://www.tlions.psu.edu/clgbt/>. For information, call Neill Johnson at (814) 863-0686.

Informational meeting

Joseph J. Kelly, executive director of the Pennsylvania Humanities Council, will be on the University Park campus Tuesday morning, April 17, to conduct an informa-



Workers were busy recently, planting flowers outside the Hintz Family Alumni Center on the University Park campus. The expansion project adds 30,900 square feet to the existing University House, which was designed by the University's first president, Evan Pugh, in 1864 and has been home to 11 University presidents. The center will be officially dedicated Saturday, April 21, before the Blue-White football game. An open house for alumni, staff, students and the community will be held from 10 a.m. to 2 p.m. Sunday, April 22. For information, call Barbara Schroeder at (814) 863-6340 or e-mail bls221@psu.edu. The Penn State Creamery has created a new flavor of ice cream for the occasion. For details, see the story on this page.

Photo: Greg Grieco

tional meeting and to meet with faculty members individually.

Kelly will discuss the council and its grants programs in Room 102 Kern Building beginning at 9 a.m. Kelly also is accepting appointments from faculty members between 10 a.m. and noon to discuss specific proposals.

Faculty members interested in an individual consultation should call the Institute for the Arts and Humanistic Studies at (814) 865-0495 or e-mail iahs@psu.edu to request an appointment. Anyone planning to apply for a grant from the council or may otherwise be interested in its programs may attend.

LGBT awards reception

The Commission on Lesbian, Gay, Bisexual and Transgender Equity will hold its annual awards reception at 3:30 p.m. April 17 in Bravo Room, Findlay Commons, on the University Park campus.

The event is open to all members of the University community. RSVP by April 13 to Kathy Putt by calling (814) 863-7696 or e-mailing kmr3@psu.edu.

Scoop up Alumni Swirl

The Penn State Alumni Association will introduce its new ice cream flavor at 11 a.m. Saturday, April 21, at the dedication of the Hintz Family Alumni Center on the

University Park campus.

Alumni Swirl, concocted by the Penn State Creamery, will be available in the Creamery store by the cone and half-gallon. The flavor is vanilla-based with crunchy Swiss mocha chips and a blueberry ribbon. The visual effect is blue and white, the University's colors.

Alumni Swirl will be served at future alumni functions.

Graduate school information

Penn State Harrisburg is holding a Graduate School Information Night at 6 p.m. Thursday, April 26, in the campus library.

The program is an opportunity for interested area residents to learn more about Penn State Harrisburg's 17 master's degree and two doctoral programs, all designed for the working adult.

For information, call (717) 948-6250 or e-mail hgbadmit@psu.edu.

Alumni offices relocate

The Alumni Association has relocated its main offices to the new Hintz Family Alumni Center on the University Park campus.

The offices of the Penn State magazine, planning and business development, program development and enrichment, volunteer management and communica-

tions, in addition to the executive director's office, now are on the second and third floors of the new center. The Lion Ambassador office will be moved to the first floor.

Information systems and alumni data access and services remain located in Old Main and Brumbaugh Hall respectively.

Mail for staff in the new building should be addressed to "Hintz Family Alumni Center." Phone numbers remain the same.

For questions on the location of any Alumni Association office, call (814) 863-6516 or (800) 548-5466.

Nutrition study planned

Volunteers are being sought for a 12-week nutrition study on the effects on skin and health during menopause.

The research is being conducted by Penny M. Kris-Etherton, distinguished professor of nutrition. Participants must be willing to eat the snack foods provided for the study and undergo testing when necessary. The study runs from April 30 to July 27.

Those interested in the criteria for participating should call (814) 863-3168 and leave a message. Include name, phone number and the best time to be called.



Arts & Entertainment

Put a T-shirt on clothesline

Penn State DuBois seeks public help in raising awareness against violence directed at women and children through The Clothesline Project which is planned for later this month.

The event features a clothesline decorated with T-shirts designed by survivors, their loved ones or any individual wishing to make a statement against violence.

The public may stop by Room 107 of the campus Multi-Purpose Building on the following dates to design a T-shirt for display: noon-4:30 p.m. Monday, April 16; 1-4:30 p.m. Tuesday, April 17; and 2:30-4:30 p.m. Wednesday, April 18. Shirts also may be designed at home and dropped off for display.

The clothesline may be viewed April 23-27 in the Hiller Building Student Union.

'Phantom' steals into town

The Center for the Performing Arts presents "Phantom: The American Musical Sensation" at 7:30 p.m. Tuesday, April 17, in Eisenhower Auditorium on the University Park campus.

The musical, set in the Paris Opera House of the 1880s, tells the story of the Phantom, whose real name is Erik, and why he is so much in love with the voice of Christine.

Tickets for "Phantom" are \$35 and \$25 for general audience members; \$30 and \$22 for students; \$20 and \$12 for University Park students; and \$25 and \$19 for children 12 and younger.

For tickets, call (814) 863-0255 or (800) 278-7849.

Audio description will be available through the View Via Headphones program.

Jazz concert

The Jazz II and III ensembles will present a concert at 8 p.m. Tuesday, April 17, in the Esber Rectal Hall, Music Building I, on the University Park campus.

The concert will feature performances by Inner Dimensions, directed by Dan Weiner, and Outer Dimensions, directed



"The Share Croppers," a mural by John Biggers, hangs in the Robeson Cultural Center on the University Park campus. Biggers, a University alumnus who received his master and doctoral degrees in art education, died Jan. 25 in Houston.

by Craig Waxman. Both Weiner and Waxman are graduate assistants in the School of Music.

Bach's Lunch

Three voice students from the School of Music will sing at the Bach's Lunch concert at 12:10 p.m. Thursday, April 19, in the Helen Eakin Eisenhower Chapel on the University Park campus. Freshman Katie Myers, sophomore Kimberly Meyer and Jodi Lewis, a graduate voice performance major, will perform classical selections.

After the free concert, audience members may take their bag lunches to the Wilkinson Lounge in the chapel. Coffee and tea will be provided.

Band revives jazz classics

The Smithsonian Jazz Masterworks Orchestra will present a concert at 8 p.m. Friday, April 20, in Eisenhower Auditorium on the University Park campus.

The jazz orchestra-in-residence at the National Museum of American History will salute the leading composers of the genre in "100 Years of Jazz." Led by David N. Baker, chairman of Indiana University's jazz department, the orchestra explores the eras of big band, bebop and beyond.

Tickets are \$25 for general audience; \$20 for students; \$10 for University Park students; and \$13 for children 12 and younger. For tickets or information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849.

Rotating Art Series

Veronique Foti will present her "Color, Light, Line" abstract paintings and drawings May 9 through Aug. 10 in the main administrative office in 133 Willard Building on the University Park campus. The display is part of the Women's Studies Program's rotating art display, which every three months showcases the artwork of a different female artist.

A reception honoring Foti, associate professor of philosophy, is planned for 4 to 5 p.m. Wednesday, May 9, in 133 Willard Building. The event is free to the public.

For more information call (814) 863-4025 or e-mail tjs20@psu.edu.

NEW AT PENN STATE

Penn College, Geisinger collaborate on cardiovascular technology major in bachelor's degree program

Pennsylvania College of Technology and Geisinger Health System's School of Cardiovascular Technology will join forces to offer a bachelor degree program for students seeking employment as cardiovascular technologists.

The new program, which students can begin as early as this summer, calls for three years at Penn College in the School of Health Sciences' applied health studies major and a fourth year at Geisinger's School of Cardiovascular Technology in Danville.

After completing the program and gaining certi-

fication as a registered cardiovascular technician from Cardiovascular Credentialing International, graduates will be awarded a bachelor's degree in applied health studies from Penn College.

Cardiovascular technologists perform various cardiovascular/peripheral vascular diagnostic and therapeutic procedures under the supervision of a physician. Most work in hospitals, but cardiovascular technologists can provide patient services in any medical setting under a physician's supervision.

For information about the new program, call (570) 327-4519 or e-mail healthsciences@pct.edu.

PARTING

Landscaper serves 27 years

Philip C. Lucas, group leader, landscape A in Intercollegiate Athletics, has retired after 27 years at the University.

Lucas began his career at the University in 1974 as a dining hall worker. In 1975 he became a groundsworker at the Penn State golf course, in 1982 he transferred to Food Service as a maintenance worker, and in 1991 he became a group leader at Beaver Stadium in Intercollegiate Athletics.

Lucas looks forward to spending more time with his family. He also is very active in the Logan Fire Department.



University Park Calendar

April 13 - April 22

SPECIAL EVENTS

Friday, April 13
The Basset Table by Susanna Centkire, B.p.m., Pavilion Theatre, through April 21, 2 p.m. matinee on April 21. For tickets, call (814) 863-0255.

Monday, April 16
"Magnesium — The Universal Metal," video, 12:05 to 1 p.m., 105 Deike.

Wednesday, April 18
"Glen Canyon — Protecting Our Water: Who's Got the Power," video, 12:05 to 1 p.m., 105 Deike.
Wormy's Concerns Take Back the Night Rally and March, 6 p.m., rally, Old Main steps.

Thursday, April 19
Penn State/Centre County Clothesline Project: Bearing Witness to Violence Against Women, Pollock Recreation Room, through April 21.

Friday, April 20
"Standing in the Light," multi-media theatrical production, 7:30 p.m., April 20; 2 p.m., April 21; 7:30 p.m., April 27; 2 and 7:30 p.m., April 28, Palmer Lipson Auditorium. For tickets, call (814) 865-7672.

Jan Abbott on "Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," gallery talk, 1 p.m., Palmer Museum.

MUSIC

Saturday, April 14
Godsmack, with special guests Staind, Cold and Systemic, 7 p.m., The Bryce Jordan Center.

Tuesday, April 17
"Phantom: The American Musical Sensation," 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

The Jazz II and III ensembles, 8 p.m., Recital Hall, Music I.

Thursday, April 19
Bach's Lunch concert, three voice students, 12:10 p.m., Eisenhower Chapel.

Friday, April 20
Smithsonian Jazz Masterworks Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, April 13
Sanjari Parkh on "Sorption and Desorption of PAHs to Estuarine Sediment and Humic Fractions," 3:35 to 4:25 p.m., 107 Agricultural Sciences and Industries.
Chris Wernstedt on "Reality, Rhetoric and Risk in the Brownfields Facade: The Timing of the Shrewd," 4 p.m., 301 Steidle.

Monday, April 16
Venkatraman Gopalan on a subject to be announced, noon, 339 Ovey Laboratory.
Tuesday, April 17
Ali Nadim on "Shape Oscillations of Liquid Drops: Effects of Surfactants and Viscoelasticity," 10 a.m., 140 Fenske Lab.
Tasha Snyder on "Living with Parents or Living with a Male Partner: Birth Order and Living Arrangements Among Unmarried Women," noon to 1 p.m., 406 Oswald Tower.

Ooug Cowen on "Ice Fishing for Neutrinos with AMANDA," 3:30 p.m., 318 Osmond Laboratory.
Haskell Taub on a subject to be announced, 3:30 p.m., 339 Ovey Laboratory.

Richard Yetter on "Challenges in Micro Power Generation and Propulsion," 3:30 p.m., 125 Reber.

Lynn Knowles on "Molecular Targets for Alkyl Sulfides in Controlling the Proliferation of Human Colon Tumors," 4 p.m., S-209 Henderson.

Michael Weiss on a subject to be announced, 4 p.m., S5 Osmond Laboratory.

Francis J. Olszewski on "Chemistry of Metal Cluster Compounds," 4 p.m., Oelke.

Kenneth Lapatin on "Mysteries of the Snake Goddess," B.p.m., 107 Carpenter.

Wednesday, April 18
Scott M. Hofer on "Change in Cognitive Functioning Associated with ApoE genotype in a Community Sample of Older Adults," noon to 1 p.m., 108 Wartik Laboratory.
Anne Walton on "Plasticity of Resource Allocation in Induced Defense Metabolism," 12:20 to 1:10 p.m., 105 Wartik Lab.



Multicultural Mural was created in 1992 by Robert Lynch, Allison J. Rudy, Bill Stamos and Dina Weiss, all undergraduate art and art education students. This acrylic is on display in the HUB-Robeson Center on the University Park campus.

David Nelson on "Viruses, Vesicles and Multi-Electron Bubbles: J.J. Thomson Revisited," 4 p.m., 117 Osmond Laboratory.
Marek Malac on "Recent Progress on Obliquely Deposited Thin Films," 3:35 p.m., 114 Earth and Engineering Sciences.
Adel F. Sarofim on "Health Effects of Fine Particles," 4 to 5 p.m., C213 Coal Utilization Laboratory.
David Nelson on "Viruses, Vesicles and Multi-Electron Bubbles: J.J. Thomson Revisited," 4 p.m., 117 Osmond Laboratory.

Thursday, April 19
K. Kallias-Smith on "Research on POEs and Related Topics at NRL," 3:30 p.m., 18 Research Building East.
Bruce Weinstein on "Race and the Feminist Critique of Science," 4 p.m., 117 Osmond Laboratory.

Evelynn Hammonds on "The Formation of Inorganic Aerosols During Pulverized Coal Combustion," 4 p.m., C213 Coal Utilization Laboratory.
Randy Olck on "The NCAA and Sports Sciences: Current Issues and Future Challenges," 4:30 p.m., 12 Walker.

"We are the Future: A Discussion of How We Can Affect the Treatment of Our People While Maintaining Efficient Global Trade," four faculty members from The Smear College of Business Administration, 7 to 9 p.m., Heritage Hall, HUB-Robeson Center.

Friday, April 20
Barry Evans on "Development of a Comprehensive GIS-Based Modeling Approach to Support Watershed Assessment within Pennsylvania," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Roger Downs on "Worlds in Collision: Reactions to Hendrik Van Loon's 1932 Geography," 4 p.m., 301 Steidle.

Thomas J. O'Neil on "Lessons Learned in Mining or Why Mining Isn't Anywhere Near 'Oedip,'" 4 to 5 p.m., 26 Hosler.
David Hollinger, "The Vexing Thesis Reconsidered: Why are Jews so Prominent in Science and Scholarship?" 4 p.m., 113 Carnegie.

Barry K. Robinson on "What's Next After Napster? Challenges and Opportunities Ahead for the Music Recording Industry," 5:15 to 6:30 p.m., 112 Chambers.

EXHIBITS

HUB-Robeson Center
Metal sculptures by Eric W. Stephenson, through Aug. 19.
"Everyday Use," paintings by Helen Klebesadel, through May 3.
"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

Kern exhibit area
"Retreat" photography by Jason Fagone, through May 16.
Commonwealth College Faculty Books, through April 30.

Palmer Museum of Art
"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.
"History Past, History Present: The Daguerreotype Portrait in America," through May 20.

"An Artistic Friendship: Beauford Oelney and Lawrence Calcagno," through May 13.

Pattee and Paterno Library exhibit areas
"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetler and Chris Gaines Memorial Library Collections," through May 15.
"The Digital Photography Studio, Student Photographs," 109 Pattee, through May 20.

Rittenour Center
"Moods of Contemplation," photography by Amanda N. Wise, through May 2.

West Halls exhibit area
"Photographic Ethnobotany: Peruvian Plants and People" by Benjamin Chermal, through May 13.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

What a card



Jacqueline Kudas, a marketing major, above, found plenty to smile about as she collected information about employment opportunities from a representative of the American Greetings company. Meanwhile, Amanda Kane, a business administration major, right, finally made it to the head of the line to meet with the representative from Tiffany & Co. of New York. The firms were part of the Career Day fair held recently at The Bryce Jordan Center on the University Park campus.

Photos: Greg Gnecco



PROMOTIONS

Technical service

Andrew J. Beben, tree surgeon in Office of Physical Plant

Kevin W. Black, maintenance worker, general A at Penn State Berks

Darin L. Bressler, area facilities maintenance mechanic in Office of Physical Plant

Veronica J. Brown, senior salesroom attendant in College of Agricultural Sciences

Robert L. Harvey, mechanic A, heating, ventilating and electrical at Penn State Schuylkill

Jeffrey R. Hein, maintenance worker, general B at Penn State Berks

Harold E. Hoy, shipping and receiving attendant in Applied Research Laboratory

Mark S. Kresovich, group leader, area landscape maintenance in Intercollegiate Athletics

James E. Lewis, maintenance worker, general A at Penn State New Kensington

Perry A. McCaleb, barn worker, milker in College of Agricultural Sciences

Joyce McClelland, snack bar worker B in Housing and Food Services

Mikel D. Milliken, utility worker at The Penn State Conference Center Hotel

Stephanie N. Turnbaugh, group leader, guest room attendant at The Penn State Conference Center Hotel

Brenda L. Umholtz, residence hall utility worker, housing and food services at Penn State Altoona

Jose A. Vicente, maintenance mechanic, vehicle at Penn State Berks

Susan M. Watson, senior salesroom attendant in College of Agricultural Sciences

John E. Wiks, residence hall preventive maintenance worker in Housing and Food Services

Tammy L. Zeigler, senior salesroom attendant in College of Agricultural Sciences

Staff

Kathy L. Addleman, staff assistant VI in Division of Development and Alumni Relations

Deanna J. Alexander, telecommunications analyst at Penn State Erie

Kimberly B. Brown, lead teacher, child care center in College of Health and Human Development

Gina M. Deiter, research support assistant in College of Medicine, The Hershey Medical Center

Ronald P. Dodson, director of telecommunications in Computer and Information Systems — Telecommunications

Patty J. Fantaske, Web coordinator/writer-editor in College of Agricultural Sciences

Brenda L. Firestone, senior project assistant at Penn State Harrisburg

Carolyn K. Fisher, director, human resources in Auxiliary and Business Services

John J. Fontecchia, senior instructional services specialist at Penn State Erie

Mary Ann Galtner, supervisor, environmental services in Office of Physical Plant

Robert B. Gelst, associate research engineer in Eberly College of Science

Christine A. Gephart, staff assistant IX in Applied Research Laboratory

N.L. Gruver, library assistant I in University Libraries

John T. Harwood, senior director, Center for Educational Technologies in School of Information Sciences and Technologies

Stephen P. Homan, computer support specialist in College of the Liberal Arts

Jody L. Josefik, staff assistant IX in Applied Research Laboratory

Kerry A. Keefer, research support assistant in College of Medicine, The Hershey Medical Center

Tracy L. Kelley Leitzel, administrative assistant II in Computer and Information Systems — Center for Academic Computing

Gerald A. Kellender, proposal and grant aide in Office of the Vice President for Research

Linda D. Kern, staff assistant VIII in The Smeal College of Business Administration

Robert R. Krasinski, building automation systems analyst in Office of Physical Plant

Shawna M. McGhee, lead teacher, child care center in College of Health and Human Development

Lillian A. Mina, program manager at Penn State Great Valley

Phyllis A. Mosesman, staff assistant VII in College of Earth and Mineral Sciences

Danielle M. Myers, lead teacher, child care center in College of Health and Human Development

Tammy E. Myers, supervisor, student serv

ices in Division of Outreach and Cooperative Extension

Betty L. Nimberger, budget analyst in University Libraries

Kimberly A. O'Neill, financial officer III at Penn State Worthington Scranton

Shelley E. Petrie, lead database programmer in The Smeal College of Business Administration

Andrew M. Pilot, administrative computer system specialist in Division of Outreach and Cooperative Extension

Keith E. Reese, human resources coordinator I in Division of Development and Alumni Relations

Roxanne M. Rishel, advanced engineering aide in Applied Research Laboratory

Brenda L. Ross, administrative assistant II in College of Arts and Architecture

Albert J. Roze, Web coordinator/writer-editor in Eberly College of Science

F.G. Scheirer, staff assistant V in University Libraries

Jennifer M. Schlener, associate director II in Division of Development and Alumni Relations

Ann Shields, senior gallery manager in Office of Student Affairs

Cathy L. Snyder, staff assistant IX in Computer and Information Systems — Administrative Systems

Sonya N. Stewart, lead teacher, child care center in College of Health and Human Development

Patricia J. Vogt, staff assistant IX in Applied Research Laboratory

Awards

Engineering presents its annual awards to faculty, staff, alumni

The College of Engineering honored its outstanding faculty, staff and alumni at its annual Penn State Engineering Society (PSES) Awards at The Nittany Lion Inn, University Park.

The awards recognize contributions in research, teaching, advising and service in the college.

The PSES Outstanding Staff Award recognizes dedicated individuals who show initiative and loyalty to the college beyond their job descriptions. The recipients are Richard Auhl, research assistant/laboratory supervisor in aerospace engineering; Helen DeFurio, administrative assistant IV in computer science and engineering; Mary Miller, administrative assistant IV in civil and environmental engineering; and Karen Thall, staff assistant VI in mechanical and nuclear engineering.

Kwang Lee, professor of electrical engineering, and Chao-Yang Wang, associate professor of mechanical engineering, received the PSES Outstanding Research Award, which recognizes notable contributions to research.

Mary Jane Irwin, distinguished professor of computer science and engineering, and Soundar Kumar, professor of industrial engineering, received the PSES Premier Research Award, which honors faculty who have previously been recognized for outstanding research and are considered preminent in their field.

Three faculty were awarded the PSES Outstanding Advising Awards. The recipients are: David Meredith, associate professor of general engineering at Penn State

Fayette; Arthur Motta, associate professor of nuclear engineering; and Donald Streit, professor of mechanical engineering.

The PSES Outstanding Teaching awards went to four recipients this year. The award recognizes individuals who show a special talent and commitment to teaching. In addition, recipients of the award are innovators and experimentalists in the classroom and laboratory who have had at least three years of experience at Penn State. The winners are Kyusun Choi, assistant professor of computer science and engineering; Martin Pietrucha, associate professor of civil engineering; Richard Queeney, professor of engineering mechanics; and Andrew Vavreck, assistant professor of engineering at Penn State Altoona.

Two faculty members received the PSES Premier Teaching Award. The awards are given to faculty members who have been previously recognized for outstanding teaching and have continued to excel in the classroom. The award recipients are Mark Maughmer, associate professor of aerospace engineering, and Robert Voigt, professor of industrial engineering.

The PSES Distinguished Service Award, which recognizes dedicated individuals who willingly donate their time, expertise, and energies to the college, was presented to Andrew Pytel, professor emeritus of engineering mechanics, and Barry Schmidt, a Penn State alumnus who is area manager for Skid Steer Loaders of New Holland North America.

professor of English and women's studies, Pavoucek Shields Faculty Award; Mark Hill, assistant professor of sociology and demography, Roy C. Buck Award; Christopher Clausen, professor of English, and Donald Redford, professor of classics and ancient Mediterranean studies and history, Class of 1933: Distinction in the Humanities Award; and Nancy Landale, professor of sociology and demography, and Scott Bennett, associate professor of political science, Distinction in the Social Sciences Award.

Also recognized were recipients of University awards, as follows: Graduate Assistant Award for Outstanding Teaching, Peter R. Costello, Department of Philosophy, and Beth Widmaler, Department of English; George W. Atherton Award for Excellence in Teaching, Richard M. Doyle, associate professor of English; Milton S. Eisenhower Award for Distinguished Teaching, Douglas R. Anderson, associate professor of philosophy; and Faculty Scholars Medal for Outstanding Achievement in the Social and Behavioral Sciences, Glenn Firebaugh, professor of sociology and demography.

Research and Graduate School honors staff at awards program

A number of employees were honored during the third annual Research and Graduate School Staff Awards Program held recently at The Penn State Conference Center Hotel on the University Park campus.

The 2001 Staff Diversity Award was given to Sandra W. McBride, coordinator of human resources in the Materials Research Laboratory.

The 2001 Staff Innovation Award was awarded to Margaret P. Potter, research support associate at the Animal Resource Program.

Outstanding Staff Awards were pre-



Nancy Marie Brown



David J. Klinikowski



Sandra W. McBride



Margaret P. Potter

sented to Nancy Marie Brown, director of the research publications and policy office, and David J. Klinikowski, manager of the Bus Testing and Research Center of the Pennsylvania Transportation Institute.

The event also included service awards for staff with unit seniority of 10, 20 and 30 years. One 30-year, six 20-year and 14 10-year awards were granted. Plaques were presented to those staff who completed 25 years of service to Penn State, and those who retired during the past year.

Fulbright distinguished chair is awarded to Smeal professor

A professor in The Smeal College of Business Administration has been named a Fulbright distinguished chair.

The J. William Fulbright Foreign Scholarship Board selected Austin Jaffe for the Fulbright distinguished chair in property systems in the Centre for Property Studies at the University of New Brunswick in Fredericton, Canada.

Jaffe is director of the Institute for Real

Estate Studies in The Smeal College of Business Administration and the Philip H. Sieg professor of business administration.

The Centre for Property Studies is a multi-disciplinary research institute dealing with property matters often with an international scope. Jaffe will teach and conduct research on property rights issues and real estate financial analysis while at the Centre.

College of the Liberal Arts honors staff, faculty

In recent awards ceremonies, Susan Welch, dean of the College of the Liberal Arts, recognized the following staff and faculty members for outstanding contributions to the college and the University during 2000.

Outstanding Staff Awards went to Wendy Deibler, Department of Sociology; JoAnn Harris, Department of Psychology; Melody Lane, Department of Sociology; and Carol Pierson, Department of Economics. Joëlle DeViney, School of Languages and Literatures, received the Liberal Arts Alumni Society Outstanding Staff Award.

The Outstanding Teaching Award for Non-Tenure Line Faculty was awarded to Guadalupe Martí-Peña, lecturer in the Department of Spanish, Italian and Portuguese. Other faculty honored were: N. Edward Coulson, associate professor of economics, Outstanding Teaching Award; Dennis Gouran, professor of speech communication and labor studies and industrial relations, Outstanding Faculty Adviser Award; Judd Arnold, associate professor emeritus of English, College Emeritus Distinction Award; Deborah Clarke, associate

School of Information Sciences and Technology honors dean, others at its first awards banquet

Faculty, administration and staff were honored during the School of Information Sciences and Technology's first awards banquet.

IST Dean James B. Thomas was honored by Lockheed Martin, a major supporter of the school. Lockheed Martin executive Mark Hansen presented the dean with a model of an installation titled "Building Leaders for the Digital Global Economy" that will be hung in IST's new building. Thomas also received a special award of thanks from the school's students for his many contributions to the founding

and continuing development of IST.

Steven Sawyer, associate professor of information sciences and associate professor of management science and information systems, was named IST faculty member of the year.

David Mudgett was honored as IST teaching assistant of the year.

Charles DuBois, IST marketing manager, was recognized as staff member of the year.

The winners of these three awards were determined by members of the school's student body.

Engineers honor Meredith with advising award

David Meredith, Penn State Fayette associate professor of engineering, was recently recognized with the Penn State Engineering Society Outstanding Advising Award from the College of Engineering.

He is active in community events at the campus, including organizing the Engineering Month schedule of events, the MathCounts, JetsTEAMS, and PIday high school competitions, and summer Space Camp.



Private Giving

Leading the Way The Faculty and Staff Campaign 2001



"Giving back to Penn State seems natural to me. I target my gifts to my own department to help build our collections, for preservation and processing projects. It makes me more comfortable in asking others for help when I've done my part too."

— Lee Stout is University archivist in the Special Collections Department of the University Libraries. He has been a member of the Libraries faculty since 1974.

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaystoGive/AnnualFund/facultystaff.asp>

Knight Foundation provides grant to continue minority recruitment program

The John S. and James L. Knight Foundation has provided a grant of \$250,000 to continue support of the Knight Diversity Scholars Program in the College of Communications.

The John S. and James L. Knight Foundation promotes excellence in journalism worldwide and invests in the vitality of 26 U.S. communities.

Since it was established with an initial grant of \$100,000 in 1993 and an additional grant of \$120,000 in 1998, the program has enabled the College of Communications to recruit, retain, graduate and place gifted minority students from throughout the country. The program has been the impetus behind and the centerpiece of an array of efforts on the part of the college to attract such scholars to its program.

The college's percentage of minority students at University Park — 13.1 percent — is higher than both the University's percentage of 11.7 and the state of Pennsylvania's 12.3 percent. Retention rates for College of Communications students of color between their freshman and sophomore years have averaged 92.3 percent since 1992.

The John S. and James L. Knight Foundation promotes excellence in journalism worldwide and invests in the vitality of 26 U.S. communities.

APPOINTMENTS

Abram to be director of development at Penn State Harrisburg

Marie-Louise Abram has been appointed director of development at Penn State Harrisburg.

In this position, Abram will be responsible for development activities at the Harrisburg campus, including the identification, cultivation and solicitation of major donors and the annual giving program. She will work closely with the Office of Development at University Park on all matters related to fund raising and the Grand Destiny campaign and will have college-wide responsibilities for alumni relations.

A graduate of Vanderbilt University, Abram most recently served as director of alumni relations for The Darden School of the University of Virginia. Her responsibilities there included the cultivation and stewardship of major gift prospects.

Before her service at the University of Virginia, she was a professional representative with Merck, Sharp and Dohme in Charlottesville, Va., an undergraduate admissions counselor at Vanderbilt and an administrative assistant to the president of Maxam Corp. in Nashville, Tenn.

served as the marketing and sales director for four years at Rocky Mountain Wilderness Adventures.

Falke received her bachelor's degree in social work and psychology from Valparaiso University in Valparaiso, Ind., and a travel certification from South Hills School of Business and Technology in State College.

Eberly College appoints assistant director of development

Carol Falke has been named assistant director of development for the Eberly College of Science.

Falke was most recently vice president of product development for Weekends.com, an e-commerce company offering a marketplace and resource guide for travel and leisure. Before that, she

Liszka named chief scientist for Navy research program

Edward G. Liszka, associate director of the Applied Research Laboratory, has been named chief scientist of the Office of Naval Research (ONR).

Liszka will provide overall leadership and guidance for the ONR's Discovery and Invention program, which supports basic research and concept development for the Navy and Marine Corps and has an overall budget of approximately \$700 million. He also will be responsible for advising the chief of naval



Edward G. Liszka

research on broad policy decisions that affect future Navy and Marine research investments to meet national security objectives.

Liszka's appointment is an intergovernment personnel assignment, a program that enables researchers in academia to hold temporary positions in the federal government and share their specialized expertise.

At the end of his temporary appointment of at least one year, Liszka plans to resume his position at ARL.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://www.psu.edu/> and click on the link under "Announcements" to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information.



Focus on Research

Atmospheric chemistry is key to global and local air pollution

By ANDREA ELYSE MESSER
Public Information

The chemical cycles in the troposphere along with pollutants of human and natural origin can alter the composition of the air and affect local, regional and global environmental quality, according to a University researcher.

The troposphere — the area of the Earth's atmosphere from the surface to 10 miles above the surface where weather exists — is also where pollution becomes a problem. In the atmosphere, a complex series of chemical reactions can alter some pollutants so that they rain out as aerosol particles or acid rain and clear the air. Other compounds remain in the air, changing and changing again as other chemicals cause reactions.

"Pollution from megacities and biomass burning, including precursor gases to hydrogen oxides such as acetone and formaldehyde, lofted into the upper troposphere, can become the dominant hydrogen oxide source and result in efficient ozone production," said William Brune, professor of meteorology and head of the Department of Meteorology. "These compounds can also be transported great distances before descent, potentially influencing the chemistry of remote regions."

Ozone is complicated. In the stratosphere it serves to protect life from the detrimental effects of the sun's ultraviolet radiation. At ground level, it is a pollutant implicated in respiratory problems and eye irritation. Sunlight breaks ozone apart resulting in the creation of the very reactive hydroxyl radical which begins the process that removes some pollutants from the air.

However, when hydroxyl radicals break down some compounds, they produce other hydrogen oxides, which react with other pollutants and form ozone.

"The hydroxyl radical drives atmos-



William Brune, professor of meteorology, is studying the chemical changes in the atmosphere that alter the composition of the air we breathe and affect environmental quality.

Photo: Greg Grieco

pheric oxidation by reacting with chemicals emitted from Earth's surface, thus creating new chemicals that are more easily scavenged and removed by aerosols, clouds and rain," Brune said.

"But in the oxidation process, hydroperoxyl radicals form and combined with the industrial pollutant nitric oxide produces ozone. The sun then breaks down this ozone, creating hydroxyl radicals and starting the cycle all over again."

Brune is part of ongoing studies to measure the amounts of hydroxyl radical and hydroperoxyl radical in the atmosphere over various areas of the globe during different times of the day. So far, using airplane-mounted equipment, they have

tested air over the south Pacific near Hawaii, Fiji, Tahiti and Easter Island, over the North Atlantic flight corridor, and are preparing for flights over the western Pacific from Hong Kong and Tokyo.

Measures of hydroxyl and hydroperoxyl radicals reflect the outflow of air carrying pollutants off China and other industrialized nations. The study over the North Atlantic flight corridor assessed the contribution of air travel to this type of pollution.

Brune has also tested air from ground towers in lower Michigan and Houston.

Andrea Elise Messer can be reached at aem1@psu.edu

Credit card use doesn't define materialists

For college students, it's not how many credit cards you own that makes you a materialist, but how you use them, a study shows.

"College students who rate themselves low on materialism own as many credit cards as their materialistic peers, but are less prone to use them to buy status symbol items," said Mary Beth Pinto, assistant professor of marketing at Penn State Erie. "Our study revealed no significant difference between students with high vs. low materialism scores in terms of the number of credit cards owned. Subjects rating themselves high on materialism possessed, on average, 2.61 credit cards each, while those scoring low on materialism owned 2.69, suggesting that credit card ownership per se does not point to a materialistic or consumerist mindset."

"High materialism students reported using their credit cards more frequently in grocery stores, bars, motels and hotels and for clothing and gifts," said Diane H. Parente, assistant professor of management at Penn State Erie. "Significantly greater credit card purchases of clothes and gifts by the high materialism group support the belief that materialists place more value on 'impression management' or the show of possessions as a means to enhance social status."

Materialistic students in general cited more willingness to use credit cards to gratify immediate desires, according to Todd S. Palmer, assistant professor of business law and management at Penn State Erie. But, self-styled materialistic students did not report significantly larger credit card balances than the low materialism group.

In their study, the researchers surveyed 1,022 students at three colleges in the northeastern United States. Of the 735 students who owned at least one personal credit card, the average number of credit cards per student was 2.66, with a range from 1 to 18 and an average monthly balance of \$846.

The researchers interpreted the students' attitudes toward use of credit cards by evaluating their scores on the Richins and Dawson's Materialism Scale (1992). This survey measures the degree to which an individual makes material possessions central to his or her lifestyle and uses possessions to define success and happiness.

"The proliferation of credit cards and their ease of acquisition ensure that students today have more opportunities for making credit purchases to a far greater degree than any other generation of college student," Parente said.

"The good news is that the default rate among college students is lower than for the overall population."

Study: Children with psychiatric disorders benefit from hospital stay

Children diagnosed with serious psychiatric disorders gain more benefit from intensive hospital-based therapy than from outpatient therapy of equal duration, according to a recent study.

The principal researchers, Susan Mayes, professor of psychiatry at the College of Medicine, and Valentins Krecko, director of the child psychiatry unit, found that a child's level of functioning improved significantly during hospitalization. The study, based on data collected from a standardized rating scale administered to each child at admission and discharge, one month post discharge and six months post discharge, showed

that a two-week hospital stay with therapeutic intervention in a controlled environment is clinically effective.

According to Mayes and Krecko, the Division of Child and Adolescent Psychiatry at The Hershey Medical Center offers a clinically feasible approach to evidence-based practice. Evidence-based practice is essential because it provides information regarding treatment effectiveness. This is important in view of the current restrictions on mental health care including shorter admissions, insurance authorization and reimbursement practices that may limit patient care.

Mayes and her colleagues collected data from standardized instruments, rating scales and questionnaires used to assess interpersonal relationships, mood and behavior, academic functioning and use of leisure time.

Test scores for children admitted to a psychiatric unit for an average of 14 days showed a significant improvement in psychological functioning from admission to discharge.

This improvement was far above that of a comparison group of children whose treatment was delivered primarily on an outpatient basis for a similar time interval.



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calendar

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Remembering the past



Elissa Shapiro, a student in the Division of Undergraduate Studies, lights the candles for the Hillel Passover seder on the University Park campus. Passover began April 7 and continues through April 15.

Photo: Greg Grieco

On the road again

Annual bus tour to head southeast in May

BY ANNEMARIE MOUNTZ
Public Information

New faculty who choose to participate in this year's Road Scholars tour will be in for several treats, as the sixth annual bus tour winds its way through the southeastern part of Pennsylvania May 6-8.

The two-and-a-half-day tour will give participants a glimpse of the variety of attractions, businesses and communities found in Pennsylvania, as well as a look at how the University contributes to this statewide community through its mission of teaching, research and outreach.

"It's important that faculty be acquainted with the Commonwealth campuses and with the various regions served by the University," said President Graham B. Spanier. "The best way to do this is for them to see the impact the University has on the state first-hand."

Spanier organized the first tour in 1996, after his own statewide tour to all of the campuses. He heard so many positive comments that he decided to make it an annual event.

Joseph Fennewald, head librarian at Penn State Hazleton, joined the tour last year.

"Being new to Penn State and new to Pennsylvania, I was struck by the admiration the University has in the eyes of the

businessmen, community leaders, citizens and congressmen that we met."

Past tours have covered the western, central and northeastern portions of the state. This year, the tour concentrates on the southeastern corner.

This year's tour begins at 11:15 a.m. Sunday, May 6, as participants gather at The Penn State Conference Center Hotel on the University Park campus for ice breaker activities and lunch. They'll board buses at 1:30 p.m. and head to The Hershey Medical Center. After a tour and dinner, the group will continue on to Penn State Berks, where it will spend the night.

Monday's leg of the tour will drive through Valley Forge State Park and visit Lockheed Martin, Management and Data Systems in King of Prussia; the Reading Terminal Market in downtown Philadelphia; Independence Mall; an urban garden site in Philadelphia; and Penn State Abington.

On Tuesday, the group will have breakfast at Penn State Great Valley; tour Longwood Gardens, one of the world's premier horticultural display gardens; visit the Brandywine River Museum, home of an unparalleled collection of works by three generations of Wyeths; tour the State Capitol Building in Harrisburg; and return to State College.

The tour has had a lasting effect on its

participants, and tends to broaden their view of the state and the University's role in it.

"One of the things I took away from the tour was an appreciation for the diversity of the state," said Brad Thompson, assistant professor in the College of Communications, who was on the tour in 1997. "Penn State can provide outreach across a vast range from urban to rural, industrial to agricultural, but it also can draw on the vast and diverse resources of Pennsylvania."

Thompson said that he was so impressed with the tour, his wife decided to sign up for the tour the following year.

"She loved it, too, and met a number of faculty members with whom we have socialized since then," he said. "The tour is a great way to meet people outside your discipline, and to help newcomers — whether junior or senior faculty — become integrated more rapidly into the Penn State community."

There is no cost to faculty participating in the tour; transportation, meals and lodging are provided by the Office of the President.

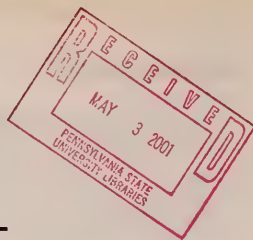
For more information or to register for the tour, call (800) 778-8632. Registration deadline is April 20.

Annemarie Mountz can be reached at AMountz@psu.edu.

Intercom

INFORMING THE PENN STATE COMMUNITY

APRIL 19, 2001



University's bond rating and outlook upgraded

By TYSEN KENDIG
Public Information

Moody's Investors Service has upgraded its debt ratings for Penn State, and Standard & Poor's has upgraded its outlook for University bonds — distinctions that positively affect \$441 million in existing University debt and potentially improve the University's borrowing rate on future bonds for capital projects.

In addition, both credit rating agencies have assigned favorable ratings to a \$75 million bond obtained earlier this month to subsidize new academic buildings, housing units and other facilities enhancements at the University over the next two years.

"We are pleased that Moody's and Standard & Poor's each recognize Penn State's continuing commitment to fiscal responsibility and efficiency," said Gary Schultz, senior vice president for finance and business/treasurer. "These upgraded assessments will certainly help the University continue to provide the highest-caliber educational opportunities and

Rating, page 2

University Park to hold commencement ceremonies May 11-13

The University Park campus will hold its spring 2001 commencement ceremonies for more than 6,280 associate, baccalaureate and graduate degree students the weekend of May 11-13. As of mid-April, 6,286 students are scheduled to receive degrees at the University Park ceremonies. That figure includes 19 associate, 5,343 baccalaureate, 721 master's, and 203 doctoral degree students. Systemwide, Penn State will graduate a total of 9,054 students — approximately 705 with associate degrees, 6,573 baccalaureate degrees, 1,506 graduate degrees, 98 medical degrees, eight master's of law degrees and 164 juris doctorate degrees.

For dates, times and locations of ceremonies at locations other than University Park, check with the campus.

Commencement, page 2

Teamwork required



Students in a class on intervention facilitations in therapeutic recreation taught by Patty Kleban, instructor in recreation and park management on the University Park campus, get some first-hand experience in the importance of teamwork as they try to walk as a single unit. The students are studying therapeutic recreation, and most are hoping to work with people with disabilities in hospitals, clinics, nursing homes or similar settings.

Photo: Greg Grieco

Alumni get new home

Hintz Center festivities slated for this weekend

The Hintz Family Alumni Center, the Alumni Association's new center for alumni on the University Park campus, will hold its dedication and open house over Blue-White weekend, April 21 and 22. The dedication will take place at 11 a.m. Saturday, April 21, and the open house will follow from 10 a.m. to 2 p.m. Sunday, April 22. The events are open to the public.

The opening of the Hintz Family Alumn-

ni Center marks the first time that alumni will have an official residence on campus. The first-floor public space will be open to alumni to use for meetings, networking and socializing while visiting on campus. Alumni Association offices occupy the second and third floors.

The center's location in central campus is a symbol of the integral role that the University gives to its alumni and the association. The \$9.5 million project has been completely subsidized by private

funds. The center is named to honor alumni and donors Ed and Helen Hintz, and their family.

The dedication will feature brief remarks from Diane Ryan, executive director of the Alumni Association; President Graham B. Spanier; Cynthia Baldwin, chair elect, Board of Trustees; Edward Hintz, alumnus and major donor; and James Carnes, president of the Alumni

Alumni Center, page 2

Commencement

Continued from page 1

The University's honorary degree recipients are:

■ Kazuo Inamori, founder and chairman emeritus of both Kyocera Corp. and DDI Corp. He will receive an honorary doctorate of science from the College of Earth and Mineral Sciences at 7 p.m. Saturday, May 12, in Eisenhower Auditorium.

■ Stanley B. Prusiner, renowned neurologist and Nobel Prize winner. He will receive an honorary doctorate of science and will speak at the College of Medicine commencement at 1 p.m. Sunday, May 20, in Founders Hall of The Milton S. Eshelman Medical Center.

■ Henry B. Schacht, chairman and CEO of Lucent Technologies. He will receive an honorary doctorate of humane letters from the Smeal College of Business Administration at 7 p.m. Saturday, May 12, in The Bryce Jordan Center.

Commencement speakers, times and locations for University Park are:

Friday, May 11

■ 3 p.m.: ROTC commissioning ceremony in Schwab Auditorium.

■ 5 p.m.: Schreyer Honors College medal ceremony for graduating seniors in Eisenhower Auditorium. Reception will immediately follow.

■ 8 p.m.: The College of Education commencement ceremony in Eisenhower Auditorium. Wendy D. Puriefoy, president of the Public Education Network, will speak.

■ 8 p.m.: The College of Engineering commencement ceremony in The Bryce Jordan Center. David A. Woodie, chairman and CEO of C-COR.net, will speak.

Saturday, May 12

■ 9 a.m.: The College of Communications commencement ceremony in Eisenhower Auditorium. Donald W. Davis, retired chairman and CEO of the Stanley Works, will speak.

■ 9 a.m.: The Eberly College of Science commencement ceremony in The Bryce Jordan Center. Nina V. Fedoroff, William professor of life sciences and director of the Biotechnology Institute and the Life Sciences Consortium, will speak.

■ Noon: The College of Arts and Architecture commencement ceremony in Eisenhower Auditorium. William E. Strickland Jr., founder and executive director of the Manchester Craftsmen's Guild, will speak.

■ Noon: The College of Health and Human Development commencement ceremony in The Bryce Jordan Center. Duane R. Dunham, chairman, president and CEO of Bethlehem Steel Corp., will speak.

Alumni Center

Continued from page 1

Association. A special appearance by Evan Pugh impersonator Jerome Pasto will conclude the ceremony.

Pugh, the first president of Penn State, designed and helped to build University House, which has been incorporated into the new center design. It served as the president's residence from 1864-1970. Alumni Swirl ice cream, the new ice cream flavor concocted by the Penn State Creamery in commemoration of the historic center opening, will be served for the first time on Saturday, and again at the open house. Self-guided tours of the center will be available on Sunday.

Purdy O'Gwynn Barnhart Architects Inc. of Philadelphia strived to create a center that looks and feels like a home. Tom Purdy and Linda O'Gwynn, Penn State graduates, brought their inside knowledge of the University and its history to bear on the center's architecture and furnishings.

The architects aligned the Alumni Center on the axis

ROTC ceremonies to honor students

The Army, Naval and Air Force Reserve Officers Training Corps (ROTC) will hold their annual joint services ROTC awards day ceremony at 4 p.m. Friday, April 27, in Schwab Auditorium on the University Park campus. This ceremony is held annually to honor cadets, midshipmen and officer candidates within the ROTC program who have excelled during the past year.

The ceremony is preceded by a joint services parade, which will start at 3:30 p.m. in front of Wagner Building on the campus. The parade route takes the three ROTC units to the reviewing area on Pollock Road, directly in front of Schwab Auditorium.

The ROTC commissioning ceremony will be held at 3 p.m. Friday, May 11, in Schwab Auditorium. Col. Steven M. Paladini, professor of aerospace studies, commander of Air Force ROTC Detachment 720 and ROTC tri-service coordinator, will preside over the ceremony. John Cahir, vice provost and dean for undergraduate education, also will speak.

Lt. Gen. Donald Snyder, U.S. Air Force (retired), will be the guest speaker and will swear in approximately 60 students as new officers in the armed forces. Snyder retired as vice commander, Headquarters Tactical Air Command, at Langley Air Force Base. The event is open to the public.

■ 3 p.m.: The College of Agricultural Sciences commencement ceremony in Eisenhower Auditorium. Karl Gorton, owner of Karfel, which specializes in business management services, will speak.

■ 3 p.m.: The College of the Liberal Arts commencement ceremony in The Bryce Jordan Center. Jeannette D. Bragger, professor of French, will speak.

■ 7 p.m.: The College of Earth and Mineral Sciences commencement ceremony in Eisenhower Auditorium. Kazuo Inamori, founder and chairman emeritus of both Kyocera Corp. and DDI Corp., will speak and receive an honorary doctorate in science.

■ 7 p.m.: The Smeal College of Business Administration commencement ceremony in The Bryce Jordan Center. Henry B. Schacht, chairman and CEO of Lucent Technologies, will speak and receive an honorary doctorate in humane letters.

Sunday, May 13

■ 1 p.m.: The Graduate School commencement ceremony in Eisenhower Auditorium. Judy Olien, dean of The Smeal College of Business Administration, will speak.

on which legendary architect Charles Klauder designed the campus expansion of the 1920s and '30s. Verses of the alma mater are chronicled above each of the three center fireplaces and on the stone floor of the entry. These unique features, in addition to a two-story, floor-to-ceiling window framing the Old Main tower, are symbolic reminders of the school's nostalgic college days.

For more information, check out the Alumni Association Web site at <http://www.alumni.psu.edu/>. A live Web cast of the dedication will be viewable at http://www.alumni.psu.edu/alumni_center/.

The mission of the Penn State Alumni Association is to connect alumni to the University and to each other, to provide valued service to members and to support the University's mission of teaching, research and service. Founded in 1870, the Penn State Alumni Association is the largest dues-paying alumni association in the country, with 145,000 members.

Rating

Continued from page 1

facilities in support of Penn State's teaching, research and service missions."

According to the Moody's report, the stable outlook for the University's creditworthiness reflects the firm's "expectation of a continued healthy student demand, steady political support and manageable debt levels relative to a strong financial resource base."

Moody's bond rating for the University was elevated from Aa3 to Aa2 with a stable outlook, while a recent bond obtained by the University was assigned an Aa2/VMIG1 rating. Among public universities nationwide surveyed by Moody's, just Michigan, Texas, Texas A&M and Virginia hold higher bond ratings, and only Michigan and Northwestern have a higher rating among Big Ten institutions.

Standard & Poor's applied similarly strong ratings, giving an AA-rating to the University's long-term debt status and upgrading its outlook from stable to positive. Like Moody's, S&P attributed the rating to "a continuation of strong demand, favorable state support, healthy annual operating performance and strengthening liquidity."

Several additional factors supported the upgrade in credit status, including favorable fund raising, solid trends in research and patient care, and manageable existing debt. Both reports cited the restructuring of the University's 24 campus locations as playing a key role in bolstering University-wide demand and overall enrollment growth. The reports also cited the University's increased selectivity over several years that has resulted in consistently raised student quality benchmarks. These accomplishments are even more impressive given a self-imposed cap of approximately 40,000 students at the University Park campus and a protracted 36 percent decline in Pennsylvania high school graduates between 1976 and 1995.

Rapidly growing financial resources at the University also were recognized in the ratings reports. Total financial resources have grown to more than \$1.6 billion, driven mostly by investment yields and fund-raising campaigns. The University enjoys a 20 percent alumni fund-raising participation rate, which indicates potential for future endowment growth. It also is currently nearing the \$1 billion goal in its capital campaign, A Grand Destiny: The Campaign for Penn State.

Another factor in the University's fiscal strength has been the positive performance of the newly formed Milton S. Eshelman Medical Center. According to calculations, the medical center is credited with providing 19 percent of University revenues. Furthermore, the University has implemented initiatives to reduce deficits at its College of Medicine and to solidify the institution's financial viability since its July 2000 de-merger with Geisinger Health System. The medical center reported a healthy surplus through the first eight months of fiscal 2001 and is close to its break-even point after factoring in support for the medical school.

Moody's Investors Service is a global credit rating, research and risk analysis firm that publishes credit opinions, research and ratings on fixed-income securities, issuers of securities and other credit obligations. The University received its prior upgrade to Aa3 by the firm in July 1997.

Standard & Poor's provides independent financial information and analytical services. A division of The McGraw-Hill Cos., Standard & Poor's has provided objective information and analysis to financial markets for 140 years.

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Read Intercom on the Web at
<http://www.psu.edu/INTERCOM/>

Spanier, 'What's in the News' student essayists to visit White House

Editor's note: This event was scheduled to take place after Intercom went to press.

On Tuesday, April 17, eight students from across the country were scheduled to meet with President George W. Bush in the Oval Office of the White House. The students are winners of the "Dear Mr. President" write-in activity sponsored by Penn State Public Broadcasting's "What's in the News" television program.

"What's In the News," a current events program spon-

sored by Penn State Public Broadcasting and the University's College of Education, is delivered to a third of all fourth- through seventh-grade classrooms nationwide. Every four years following its presidential campaign coverage, "What's in the News" invites student viewers to write letters to their newly elected president. The essay-writing activity is designed to encourage students to become active members in the democratic process. This is the first year the winners have been invited to meet the president.

Penn State Public Broadcasting received nearly 1,500

entries for the contest. The students, along with "What's in the News" on-air hosts Katie O'Toole, Curtis Parker and Carmen Frost, as well as President Graham B. Spanier, were to hand-deliver the winning letters to Bush on Tuesday, April 17.

Video of the students reading their winning letters will be broadcast on "What's in the News" on April 20 and April 22. Video of the meeting in the Oval Office will air on April 27 and April 29. For more information about the program, visit "What's in the News" online at <http://witsn.psu.edu/>.

Special Olympics needs volunteers

The Special Olympics Pennsylvania 2001 Summer Games will take place June 7 to 10 on the University Park campus. The games offer 2,050 Special Olympic athletes from throughout Pennsylvania the experience of a lifetime.

The success of the games is dependent on 2,500 volunteers in many different areas. The 2001 Summer Games kick off with opening ceremonies on Thursday evening, June 7. During the competition, athletes have the opportunity to participate in nine sports venues: athletics, aquatics, basketball, gymnastics, softball, golf, tennis, equestrian and bowling. Athletes also spend the evening at Sports Fest trying out new challenges. Closing ceremonies and the Victory Dance top off the Summer Games on Saturday night.

Special Olympics Pennsylvania organizers ask that faculty and staff get involved as support or sports volunteers. To register, request a registration form by calling (800) 865-3600 or send an e-mail to Bob and Maureen Dunham at red1@psu.edu.

For more information about Special Olympics Pennsylvania, check the Web at <http://www.pso.org/>.



Berney Heck of Reading makes contact with the ball during the softball competition at last summer's Special Olympics on the University Park campus. The games require the assistance of more than 2,500 volunteers to be successful.

File photo: Greg Gileco

Space Day 2001 to celebrate air and space research

Space Day 2001, a free, family-oriented and interactive event for all ages, will be held from 10 a.m. to 3 p.m. Saturday, April 21, at the HUB-Robeson Center, University Park.

Activities, information sessions and technical posters about many air-science and space-science issues during the event will highlight the contributions of Penn State researchers, scientists and students. Exhibitors in Heritage Hall will provide information about a variety of topics, including Earth and our planetary neighbors; black holes, galaxies, stars and extra-stellar planets; communication systems in space; changes in the Earth's atmosphere and

global climate change; propulsion and rocket science; and the origins, evolution, distribution and destiny of life in the universe.

Special presentations also have been scheduled in the HUB Auditorium, including one by Jim Pawelczyk, assistant professor of physiology and kinesiology, who flew aboard Space Shuttle mission STS-90 in 1998. In presentations scheduled for 11:30 a.m. and 12:30 p.m., Pawelczyk will talk about his experience and describe how the space shuttle gets into space by using audience volunteers to represent the shuttle, external fuel tank and solid rocket boosters.

In addition, planetarium tours will be

conducted every 30 minutes. Tickets for the tours are free, but are limited by available seating. A portion of the tickets can be reserved in advance for groups of six or more by calling Angela Phelps at (814) 863-3608 or sending e-mail to axp41@psu.edu.

Space Day 2001 at Penn State is sponsored by the Pennsylvania Space Grant Consortium and is designed to supplement National Space Day, which is scheduled on May 3. For more information, call (814) 863-3608 or visit the consortium's Web site at <http://www.psu.edu/spacegrant/space/day>. For more information about National Space Day, check the Web at <http://www.spaceday.com/>.

Folk dance, art to be celebrated at annual Slavic Folk Festival

The 23rd Annual Penn State Slavic Folk Festival will be held from 10 a.m. to 10 p.m. Saturday, April 21, and from 12:30-6:30 p.m. Sunday, April 22, in the ballroom of the HUB-Robeson Center on the University Park campus.

The festival showcases cultural achievements of Pennsylvania's Slavic-American ethnic groups, featuring exhibits, demonstrations of folk art and live performances. Special events for children, including a babalaika and accordion duo and a ventriloquist, will be held from 10 a.m. to noon Saturday.

The Sunday program will feature classical music with Galla and Dan, dance music by Zima and David Barro, folk singer.

Museum exhibits and demonstrations of various folk arts will be a part of the festival including Peggy and Nick Miskovsky's demonstration of Ukrainian Easter egg decoration. Exhibits of Czech, Slovak, Slovenian, Polish, Croatian and Russian folk arts also will be on display.

The ethnic snack bar will serve soups, sandwiches and entrees from 11 a.m. to 2 p.m. and 5-7:30 p.m. Saturday and from 12:30 until 3:30 p.m. Sunday. Hot and cold beverages and pastries also will be available.

The festival is sponsored by the Penn State Department of Germanic and Slavic Languages. The event is free to the public, but donations will be accepted.

The preliminary program of festival events will be available at 311 Burrows Building on the University Park campus or by calling Lorraine Kapitaniak, festival coordinator at (814) 238-6416.

BOOK SHELF

Stephen J. Cimbala, professor of political science. *Clausewitz and Chaos*, published by Praeger Publishers.

In the book, Cimbala argues that the modern revolution in military affairs based on computers, electronics and other technologies will not change the essence of war. War remains an art not a science, and both the planning for war as well as the conduct of war are vul-

nerable to the effects of chance, uncertainty and "friction" as the great Prussian philosopher of war, Karl von Clausewitz, explained. U.S. foreign and defense policy are therefore susceptible to the disease of technology hubris and can be circumvented by innovative "asymmetrical" strategies, especially in unconventional wars.

Mary Ann Stankiewicz, associate professor of art education. *In Their Own Words: The Development of Doctoral Study in Art Education*, edited by James Hutchens, published by National Art Association, 2001.

Stankiewicz was invited to write "Status and Opportunity: Reflecting on Doctoral Studies in Art Education," which is the concluding chapter in the book.



Arts & Entertainment



Lynn E. Drafal, associate professor of music, conducts the Oriana Singers, as they entertain the audience during a Bach's Lunch concert in the Helen Eakin Eisenhower Chapel on the University Park campus. The next Bach's Lunch concert will be at 12:10 p.m. Thursday, April 26, featuring the Penn State Horn Ensemble. For information, see the story on this page.

Photo: Greg Grieco

Bach's Lunch

The French Horn Ensemble will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, April 26, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The ensemble, which includes 24 undergraduate music majors, is co-directed by Lisa Bontrager, associate professor of music and Janna Frank, a doctoral student in the music education program. After the concert, audience members may take their bag lunches to the Wilkison Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Brassworks to perform

The Pennsylvania Brassworks, the faculty brass quintet in the School of Music, will present a concert at 8 p.m. Thursday, April 26, in the Esber Recital Hall, Music Building L on the University Park campus.

The group is composed of performance faculty John Daniel, trumpet; Lisa O.

Bontrager, horn; Mark Lusk, trombone; and Martin Erickson, tuba. Joining them is trumpeter Mitch Gabel, graduate performance student and former member of the U.S. Marine Band. The concert is free to the public.

Poetry festival

The 19th annual Hayfield Poetry Festival will be held Sunday, April 29, in Hayfield House at Penn State Wilkes-Barre.

The free event will feature workshops and readings by poet Jerry Wemple and Liz Rosenberg.

Wemple teaches at Bloomsburg University. Rosenberg is associate professor of English at Binghamton University.

Pre-registration is required for the morning workshops and luncheon. Book signings will follow the afternoon readings. A reception will follow.

For information or to register, call David Chin at (570) 675-9247 or e-mail dpc5@psu.edu.

PENN STATERS

Edwin L. Herr, distinguished professor of education, interim head of the department of adult education, instructional systems, and workforce education and development, and associate dean for graduate programs, research and technology in the College of Education, gave an invited theme speech: "Cost Benefit Analysis in Public Policy on Career Development: An International Perspective," at the 17th Nation Symposium 2001: The Second International Symposium on Career Development and Public Policy in Vancouver, Canada. He also was invited to present "Counseling Outcomes: A Cost

Benefit Perspective" at the International Conference — Celebrating Excellence in Career Development and Counseling at the International Association for Education and Vocational Guidance, also held in Vancouver.

Paul Krueger, assistant professor of education, presented "Organizational Learning, Corporate Creativity and Organizational Performance: Strategies for Global Competition" at the 30th International Conference of the International Federation of Training and Development Organizations in Porto Alegre, Brazil.

UNIVERSITY PARK CALENDAR

April 20 - April 29

SPECIAL EVENTS

Friday, April 20

"Standing in the Light," multi-media theatrical production, 7:30 p.m. April 20; 2 p.m. April 21; 7:30 p.m. April 27; and 2 p.m. and 7:30 p.m. April 28, Palmer Lipson Auditorium. For tickets, call (814) 865-7672.

Jan Abbott on "Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," gallery talk, 1 p.m., Palmer Museum.

The Penn State Clothesline Project, noon to 9 p.m. April 20, noon to 5 p.m. April 21, Pollock Recreation Room.

Monday, April 23

"Call Me Can (Aluminum Association), Minding for Music, video, 12:05 to 1 p.m., 105 Oeike.

Wednesday, April 25

"Evolution of the Rio Grande Valley Orifice as Geologic Agent," video, 12:05 to 1 p.m., 105 Oeike.

Thursday, April 26

Take Our Daughters to Work Day, various locations.

MUSIC

Friday, April 20

Smithsonian Jazz Masterworks Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, April 20

Barry Evans on "Development of a Comprehensive GIS-Based Modeling Approach to Support Watershed Assessments within Pennsylvania," 3:35 to 4:25 p.m., 301 Agricultural Sciences and Industries.

Roger Downs on "Worlds in Collision: Reactions to Hendrik Van Loon's 1932 Geography," 4 p.m., 301 Science. Thomas J. O'Neil on "Lessons Learned in Mining or Why Mining Isn't Anywhere Near 'Oeas,'" 4 to 5 p.m., 26 Hosler. David Hollinger, "The Veblen Thesis Reconsidered: Why are Jews so Prominent in Science and Scholarship?" 4 p.m., 113 Carnegie.

Barry K. Robinson on "What's Next After Napster? Challenges and Opportunities Ahead for the Music Recording Industry," 5:15 to 6:30 p.m., 112 Chambers.

Monday, April 23

Evangelos Manias on a subject to be announced, noon, 339 Oavey Laboratory.

Scott Hughes on "Gravitational Waves from Extreme Mass Ratio Binaries," 2:30 to 3:40 p.m., 318 Osmond Laboratory.

Tuesday, April 24

Bamin Khomani on "Viscoelastic Flow Instabilities," 10 a.m., 140 Fenske Laboratory.

Paul McEuen on a subject to be announced, 3:30 p.m., 339 Oavey Laboratory.

Jan Ulbrecht on "Practical Nutrition Issues in an Endocrinology Practice," 4 p.m., 5209 Henderson.

Eckard Mueck on "Mossbauer Spectroscopy in Biological Systems: Novel Structures, Novel Magnetochromism and Other Interesting Things," 4 p.m., 55 Osmond Laboratory.

Wednesday, April 25

Thomas Mackin on "Using Thermoelasticity to Track and Quantify Damage Evolution in Composite Materials and Structures," 3:35 p.m., 114 Earth and Engineering Sciences.

Thursday, April 26

Christopher Reed on "Super Anions and Supercacids," 12:15 p.m., 55 Osmond Laboratory.

Charles Westbrook on "Chemical Kinetic Modeling Support for a New, Unified Description of Diesel Combustion," 3:30 p.m., 6213 Coal Utilization Laboratory.

Paul Berg on "Genomics: Impacting Science and Society," 4 p.m., 112 Kern. Peter Gailson on "Einstein's Clocks: High Theory and Low Technology," 8 p.m., 101 Osmond Laboratory.

Friday, April 27

Michael Omi on "The Language of Race and Racism," 11:30 a.m. to 12:30 p.m., 5209 Henderson.

Danny Schnell on "The Chloroplast Protein Import Apparatus and Its Role in Plastid Development," 12:20 to 1:10 p.m., 105 Wartik Laboratory.

Brian Needelman on "Identifying Phosphorus Transport Areas? Runoff Generation Mechanisms and Water Table Dynamics," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

EXHIBITS

HUB-Roberson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Everyday Use," paintings by Helen Klebsadel, through May 3.

"Contemporary Arts and Crafts from Africa," mixed media, through May 1.

Kern exhibit area

"Retreat" photography by Jason Fagone, through May 16.

Commonwealth College Faculty Books, through April 30.

Palmer Museum of Art

"Power in My Hand: Works on Paper by Women Artists from the Permanent Collection," through April 29.

"History Past, History Present: The Osguerreotype Portrait in America," through May 20.

"An Artistic Friendship: Beauford Oelney and Lawrence Calcagno," through May 13.

Pattee and Paterno Library exhibit areas

"Be Ye Not Conformed to the World — The Plain People: Selections from the John Hostetter and Chris Gaines Memorial Library Collections," through May 15.

"The Original Photography Studio, Student Photographs," 109 Pattee, through May 20.

Rietzner Center

"Moods of Contemplation," photography by Amanda N. Wise, through May 2.

West Hall exhibit area

"Photographic Ethnobotany: Peruvian Plants and People" by Benjamin Chermel, through May 13.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming conferences and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Help for Habitat

The University Park campus chapter of Habitat for Humanity, a student-run organization, is seeking faculty and staff assistance in its biggest-ever endeavor. Members of the organization are putting themselves up for hire in an effort to raise \$40,000 to build a Habitat House.

In a program called Rent-A-Worker, the students will go out in the community to do yard work and odd jobs for donations. This program takes place on the weekends at times arranged by the donors and the volunteers. For information on how to hire the students, e-mail Sean Meyer at semm300@psu.edu.

The group also is partnering with its local Habitat affiliate, Tri County, to take part in Housewalk 2001, a five-mile walk where participants take pledges to raise funds. All money earned by the students in this way will go directly toward reaching the \$40,000 goal.

For information on the walk, which will take place April 22, e-mail Tri County Habitat for Humanity at habitat@vicon.net or call (814) 238-3113. For information about the campus group or other donation opportunities, e-mail Colleen Morrissey at cjm226@psu.edu or Jason Moyer at jim197@psu.edu.

Extended library hours

The University Libraries announce their hours for the final exam period, Friday, April 27, through Saturday, May 5.

There will be extended hours on floors two through five of Paterno Library and the ground and first floors of Pattee Library for studying and in-house use of materials only. The schedule for Pattee Library and Paterno Library is as follows:

- Friday, April 27: 7:45 a.m. to 9 p.m., with extended hours to midnight;
 - Saturday, April 28: 8 a.m. to 9 p.m., with extended hours to midnight;
 - Sunday, April 29: 9 a.m. to midnight, with extended hours to 2 a.m.;
 - Monday-Thursday, April 30-May 3: 7:45 a.m. to midnight, with extended hours to 2 a.m.;
 - Friday, May 4: 7:45 a.m. to 9 p.m.; and
 - Saturday, May 5: 8 a.m. to 5 p.m.
- Pollock Laptop Library and Branch Libraries will continue regular hours during final exams. For information on hours of library service, call (814) 865-3063, visit the libraries' Web site at <http://www.libraries.psu.edu>, or type "HELP HOURS" when using the non-Web version of LIAS.

Direct deposit update

Beginning May 1, employees who currently have their payroll checks direct-deposited into their bank accounts will begin having other payments and reimbursements direct-deposited to their bank accounts as well.

These payments include travel reimbursements, travel advances, flex benefit reimbursements, group meal reimbursements and refunds, among others. Employees will be notified by e-mail when a payment has been direct-deposited to their accounts. Normally, amounts will be available in employees' bank accounts within two business workdays of notification.

Employees who do not currently have their payroll checks direct-deposited or those who do not have a Penn State user ID and e-mail address will continue to receive these types of payments by check. Employees who wish to begin direct

deposit of all Penn State checks should contact their Human Resources representative or campus business office for the appropriate form.

To obtain a Penn State user ID, complete an "Access Account Application for Faculty and Staff" form and submit it to: Accounts Office, Penn State University, 101 Computer Building, University Park, Pa. 16802. An Acrobat version of this form is available at <http://cac.psu.edu/accounts/access.html> listed under the faculty and staff section. Applications also may be faxed to (814) 865-9289.

LIAS changes coming

Faculty and graduate students with teaching and research responsibilities need to know that LIAS, the Library Information Access System, will change May 23 at all University Libraries locations.

Changes may affect course Web-page links. Benefits include expansion of inter-library loan services, speedy circulation notices via e-mail, easier and more direct access to full-text databases, improved access to electronic course reserves and more hotlinks via libraries electronic resources to quickly access what readers need.

For information, visit <http://www.libraries.psu.edu> after May 23 or call any of the University library locations.

Faculty representatives sought

The University Park Campus-Community Partnership (UPCCP) is looking for faculty representatives to become involved in its initiatives.

The organization was formed in 1998 and involves 45 representatives from the University and the Centre Region working together to reduce the negative conse-

quences of high-risk alcohol use through awareness and education, social and alternative programming, policy and enforcement, and standards and expectations. For information on UPCCP, visit <http://www.psu.edu/ATOD/aphonpage.html> on the Web, or call Susan Kennedy, associate director of University Health Services, at (814) 863-0461 or e-mail sk55@psu.edu.

Absence policy reminder

Faculty and students are reminded of Penn State's policy regarding students' requests for absence from class for the purpose of observing a religious holiday. The University Faculty Senate Policy on Class Attendance (42-27) states that instructors should provide, within reason, opportunity to make up work for students who are obliged to miss classes for legitimate reasons.

As further clarification, the Academic and Administrative Policies and Procedures Manual (R-4) states that while the University makes every effort to avoid conflicts with religious holidays, when conflicts are unavoidable, the policy is to try to make special arrangements for the students affected.

The Faculty Handbook says that "Faculty members are encouraged to entertain requests for exemptions from class attendance for purposes of religious observance."

A list of holy days of the major world religions that may require students to depart from their normal routine is published by the Center for Ethics and Religious Affairs at <http://www.psu.edu/center/ethics.html>. The Faculty Handbook can be found on the Web at <http://www.psu.edu/oldmain/prov/facchand/index.html>.

PRIVATE GIVING

Leading the Way

The Faculty and Staff Campaign 2001

"A college education can be so much more than what is learned within the walls of a classroom. Internships, international study tours and interacting with distinguished speakers give students a much broader perspective — these programs really open up whole new worlds for young people. Watching that happen has been a great joy in our lives. That's why we are and will continue to support activities that enhance the overall college experience for our students."

— Sharon K. Mortensen is associate director of Unions and Student Activities and James H. Mortensen is associate dean in the College of Agricultural Sciences.



For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaystoGive/AnnualFund/facultystaff.asp>

Erie Insurance Group creates scholarship

Erie Insurance Group has pledged \$300,000 to endow the Erie Insurance Group Leadership Scholarship at Penn State Erie. Outstanding undergraduates who are enrolled or planning to enroll in the mathematics program or the management information systems program at Erie will be eligible to apply for the scholarship, which will be given for the first time this spring.

Erie Insurance Group endowed this scholarship for students who have achieved superior academic records or who show promise of outstanding academic success. First preference for the scholarship will be given to children of Erie Insurance Group employees.

Additional contributions to this scholarship may be made by interested people or organizations. For more information about this and other scholarships, call (814) 898-6100 or check the Web at <http://www.pserie.psu.edu/>.



Awards

Commonwealth College honors faculty, staff during its first awards presentation

The Commonwealth College presented its first awards at the all-college faculty meeting held recently on the University Park campus. John Leathers, interim dean, honored the recipients for their outstanding contributions to the Commonwealth College.

Seventeen awards were given to recognize the varied achievements and contributions of faculty and staff serving the 12 campuses of the college. There were four categories of awards: outstanding teaching, research and service of faculty; staff excellence; outstanding contributions of faculty and/or staff to diversity, service to students, academic advising and innovation to improve services to students and clients; and the Jack P. Royer Award for Active and Collaborative Learning.

Robert Szymczak, assistant professor of history at Penn State Beaver, received the Excellence in Teaching Award.

John McWilliams, associate professor of history at Penn State DuBois, and John-Paul Mullis, associate professor of psychology at Penn State Beaver, were award recipients for Outstanding Research.

Phyllis Cole, professor of English at Penn State Delaware County, received the Award for Excellence in Academic Integration.

Harold J. Webster, associate professor of biology at Penn State DuBois, was the recipient of the Award for Distinguished Faculty Service and/or Outreach.

Outstanding Support Staff Awards were presented to Karen Cox, staff assis-

tant at Penn State Wilkes-Barre, and Angela Shuback, staff assistant at Penn State Worthington Scranton.

Outstanding Staff Awards were given to Michele Moyer, public information officer at Penn State DuBois, and Kim Vangarelli, area representative at Penn State Worthington Scranton.

Outstanding Technical Service Staff Awards were presented to Mark Matusky, maintenance mechanic at Penn State DuBois, and Terry Ernest, maintenance mechanic at Penn State Delaware County.

The Outstanding College Administrator Award recipient was Claudia Limbert, campus executive officer at Penn State DuBois.

David Shaffer, director of University Relations at Penn State DuBois, received the Award for Outstanding Community Outreach.

The recipient for the Diversity Award was Jacquelyn Atkins, instructor in English at Penn State DuBois.

Dennis F. Brestensky, associate professor of English at Penn State Fayette, received the Award for Outstanding Service to Students.

Laurie Powers Breakey, instructor in business administration at Penn State DuBois, received the Excellence in Academic Advising Award.

Mary Lynn Brannon, instructional development specialist at Penn State Worthington Scranton, was the recipient of the Jack P. Royer Award for Active and Collaborative Learning.

Nine campuses awarded incentive grants

The Commission for Adult Learners recently awarded 17 incentive grants to nine campuses. These grants were established last year by the commission to encourage and enhance programs and services for adult learners. Each program also received matching funds from the campus.

The grant recipients will be recognized at the Hendrick Best Practices for Adult Learners Conference on May 17 at the HUB-Robeson Center on the University Park campus. These winning projects also will be a highlight of the conference's Best Practices Showcase. Conference information can be found at <http://www.sa.psu.edu/commission/>.

The grant award recipients and project directors are:

- Abington, three grants totaling \$400

- On-Site Credit Student Newsletter, Theresa Bloom and Cheryl Kaplan; Cyber Café for Adult Learners Workshop, Jacqueline Payrow; and An Open House with Bucks County Head Start, Daniel T. Fitzgerald.

- Delaware County, one \$200 grant — The Adult Learner Newsletter, Doreen M. Hetich.

- DuBois, one \$225 grant — The St. Mary's Adult Learner Newsletter, Tricia Lukehart.

- Erie, two grants totaling \$217 — Pathway to Success, Provisional to Degree to Graduate Program, a pamphlet by Biddy Brooks; and The Adult Student Newsletter, Ann Buebles.

- Fayette, one \$125 grant — Career Development for Adult Learners Workshop, Rachel Perretti and Sandy Allen.

- Harrisburg, six grants totaling \$825 — Allaying Anxieties and Fears Regarding Returning to School for RN Adult Learners Program, Jane Trainor; Putting Him or Her Through Ph.T. Program, Donna Howard; Breakfast with the Nittany Lion, Janet Widoff; Wok, Sizzle and Roll Program, Janet Widoff and Charlotte Spector; Career Forum for Adult Students, Charlotte Spector; and Residential Adult Learners with Families: Ties to Success Program, George Young.

- Schuylkill, one \$125 grant — Putting Him or Her Through Ph.T. Program, Debra Simpson-Buchanan.

- Shenango, one \$125 grant — Friend-to-Friend Program, Scott Yeager.

- York, one \$250 grant — Penn State Connection Program, Rob Campbell.

For information on these programs, check the Web at <http://www.sa.psu.edu/cals/commission/10funds01.shtml>

Professor earns national research award

Anthony R. D'Augelli, professor of human development, has been awarded a Research and Scholarship Award from the Monette/Horwitz Trust. He was one of three people nationwide to receive the award this year.

D'Augelli won the award for his decade-long research into the development of lesbian, gay, bisexual and transgender people from adolescence through young adulthood. Specifically, his research focuses on the victimization experiences that interfere with opti-

mal development of these youth.

His current research emphasis on studying the impact of victimization on the mental health of these youth is funded by a five-year, \$2.3 million grant from the National Institute of Mental Health. This grant, awarded to D'Augelli in January 1999, is the first federal grant to study this topic.

The Monette/Horwitz Trust exists to recognize and support research and scholarship to combat homophobia.

LECTURES

Phila. councilwoman to discuss politics, education

Philadelphia Councilwoman Blondell Reynolds Brown will speak on "The Impact of Politics on Education" from 3 to 4 p.m. April 27 in 102 Kern Graduate Building on the University Park campus.

Reynolds Brown is chair of the Parks, Recreation and Cultural Affairs Committee

and sits on several other committees including Commerce and Economic Development, Education, Public Health and Human Services, and Licenses and Inspections. She also serves on the board of the Philadelphia Housing Development Corp.

The event is free to the public.

Modeling approach is topic for ag discussion

Barry Evans, doctoral candidate in soil science, will discuss "Development of a Comprehensive GIS-Based Modeling Approach to Support Watershed Assessments Within Pennsylvania" from 3:35-4:25 p.m. April 20

in 118 Agricultural Sciences and Industries Building on the University Park campus.

The Department of Agronomy is the host for the event. For information, call (814) 863-1601.

Aspects of supply chain research to be topic

Faculty from the Center for Manufacturing Enterprise Research Integration and the Center for Logistics Research will make presentations during a Supply Chain Research Colloquium from 3:30 to 5:30 p.m. Wednesday, April 25, in 102 Leonhard

Building on the University Park campus.

The program is aimed at exploring supply chain research opportunities to graduate students as well as allowing researchers to network. For information, call W.L. Grenoble at (814) 865-3262 or e-mail wlg2@psu.edu

3 to read from Ukrainian author's work

Yuriy Andrukovich, Michael Naydan and Michael Bernosky will present group readings at 4 p.m. Wednesday, April 25 in the International Lounge in 222 Bouckle Building on the University Park campus.

The presentation by the International Speakers Series includes bilingual readings from a novel by Andrukovich, an independent writer and journalist from Ukraine who has spent several months at

the University as a visiting Fulbright scholar.

The joint reading by Naydan and Andrukovich will be enlightened by Bernosky, an actor and publicist. Andrukovich believes that Bernosky captures the polyphony and diversity of his novel.

For information, call Janet Haner at (814) 865-0771 or e-mail jah3@psu.edu.

Aalborg Industries CEO to be featured speaker

James S. Davis, president and CEO of Aalborg Industries, will speak from 12:15 to 12:45 p.m. Saturday, April 28, in Roche Hall on Penn State Erie.

Davis is the keynote speaker for Senior Projects 2001, a presentation by graduating seniors in the School of Engineering and Engineering Technology. Aalborg Industries is involved in new power generation projects.

Senior Projects 2001 extends from 8:30

a.m. to noon with presentations in half-hour sessions. Teams of students in electrical and mechanical engineering, electrical and mechanical engineering technology, electrical and computer engineering, and plastics engineering technology will present industry-sponsored projects.

The presentations and Davis' address are free to the public.

For information, call (814) 898-6133.



Focus on Research

Ozone 'chokes up' plants

By BARBARA HALE
Public Information

University researchers have identified how ozone, a major smog constituent, affects the microscopic breathing pores on plants' leaves, a process that may figure in the estimated \$3 billion in agricultural losses caused by ozone air pollution in the United States each year.

Gro Torsethagen, a postdoctoral researcher in the Environmental Resources Research Institute, said, "Although elevated ground levels of ozone resulting from traffic and other fossil fuel burning have long been associated with losses in agricultural yield, the precise cellular targets of ozone's action were essentially unknown. Our work has shown, for the first time, that, rather than causing the pores or stomates on a plant's leaves to close, as was generally assumed, ozone actually inhibits stomatal opening by directly affecting the 'guard cells' that control the opening."

Torsethagen adds that knowing ozone's specific cellular targets may make it possible in the future to breed or to genetically engineer new plant varieties to improve productivity in geographic regions, such as California, with significant ozone exposure.

Torsethagen worked on the research project with Eva J. Pell, vice president for research and dean of The Graduate School, and Sarah M. Assmann, professor of biology.

Plants take in the carbon dioxide they need for photosynthesis through their stomates, Torsethagen explained. They also release oxygen made in photosynthesis through the same pores. Ozone can also enter the plant through the stomates and can affect photo-synthesis via that route. The experiments point to direct action on the guard cells as an additional path that ozone takes to decrease carbon dioxide assimilation and reduce plant productivity.

Torsethagen conducted the experiments with fava bean plants, a species scientists favor for guard cell studies. Using various techniques, she examined the pores on the leaves of whole plants and portions of leaf surfaces and then studied the isolated guard cells.

In whole plants and the leaf surfaces, she found that ozone directly affects the stomatal opening. Using isolated guard cells, she monitored the flow of potassium, in a positively charged or ion form, into and out of the cells.

"We monitored potassium because it is a major component in the osmotic process," she said. "If the potassium ion concentration is increased, water comes into the cell by osmosis and the guard cells surrounding the stomate swell. This swelling causes the pore to open."

Ozone exposure reduced the flow of potassium ions into the guard cells but did not affect the outward flow, indicating that ozone inhibits the opening of the pores. The researchers noted that their findings may have particular relevance during drought. They write, "Stomatal closure during a period of drought may be less readily reversed in ozone-exposed plants. This may be particularly relevant because the highest ozone concentrations are sometimes associated with times of drought." In addition, they write "In major agricultural regions with high light environments



Gro Torsethagen, a postdoctoral researcher in Environmental Resources Institute, has identified how ozone affects the microscopic breathing pores on plant leaves, a process that may figure in the estimated \$3 billion in agricultural losses caused by ozone pollution in the United States each year.

Photo: Greg Gricio

and significant ozone exposure — e.g. the South Coast Air Basin of California, which has the most extreme ozone levels in the U.S. — midday stomatal closure often occurs because of the low ambient humidity that results from the high light, high temperature conditions of midday. Because the generation of ozone in photochemical smog depends on high solar irradiation, ozone inhibition of stomatal opening could significantly retard stomatal reopening in the afternoon after this mid-day depression and consequently reduce crop yield."

Identification of the potassium ion channel as a target for ozone action opens the door to selectively breeding or genetically engineering less ozone-sensitive plants to improve plant productivity in geographic regions with significant ozone exposure.

Barbara Hale can be reached at bah@psu.edu.

Drug mechanism alters genetic makeup of virus

By STEVE SAMPEL
Public Information

Researchers at the University have discovered a new mechanism for an existing antiviral drug that could permit the design and production of a new class of antiviral agents to treat RNA viruses.

Such viruses, a family that includes poliovirus and hepatitis C, use RNAs both their core genetic material and also to direct protein synthesis.

Research by a team led by Craig Cameron, assistant professor of biochemistry and molecular biology at University Park, reveals that ribavirin, a synthetic compound that inhibits RNA viruses by working at the cellular level, also possesses an ability to alter the structure of the viruses at the genetic level. Researchers used poliovirus as the experimental model.

"Our results indicate the antiviral effects of ribavirin come from its direct incorporation into the viral RNA," Cameron said. "When that happens, it changes the behavior of the base pairs of the RNA and the virus no longer produces faithful copies of itself. In that manner, ribavirin effectively shifts the internal balance of the virus and the virus suffers from a genetic meltdown."

While most organisms use DNA as their genetic material and RNA to direct protein synthesis, RNA viruses use RNA for both functions. When an RNA virus infects a cell, it directs the synthesis of proteins used to make copies of the original RNA and then uses those copies to build the chromosomes of the virus. Many RNA viruses can be stopped by intervention from the immune system or with the help of vaccinations. Others adapt, developing their own "quasispecies" so rapidly that neither the immune system nor vaccinations provide relief.

In general, RNAs instability — when compared to DNA — means it works well as a virus because it changes form, or mutates, often enough to prevent the immune system from producing effective antiviral activity. With ribavirin acting at the genetic level, researchers have discovered a way to use the mutations against the virus. Ribavirin capitalizes on the mutations and stops the virus by altering its genome, upsetting its delicate balance, and forcing it to collapse upon itself.

Collaborators with Cameron were: Jamie Arnold and David Maag from Penn State; Raul Andino and Shane Crotty from the University of California at San Francisco; and Zhi Hong, Johnson Lau, and Weidong Zhong from Schering-Plough Research Institute in Kenilworth, N.J.

Steve Sampell can be reached at sus102@psu.edu

Visits now restricted to all livestock units in Ag

As a precautionary measure to protect against foot-and-mouth and other contagious foreign animal diseases, the College of Agricultural Sciences has implemented a new biosecurity policy for all farm units housing livestock.

Effective immediately, visits to University dairy, beef, swine, sheep, deer and equine facilities will be by appointment only. All entrances to the restricted facilities will be posted. Appointments to visit the facilities may be requested by calling the College of

Agricultural Sciences at (814) 865-1362 or by e-mailing coasvisits@lists.psu.edu.

Managers of the restricted farm units will interview potential visitors to determine the purpose of the visit. They also will request information to determine whether any of the visitors may have been in direct or indirect contact with any traveler from a country with confirmed cases of foot-and-mouth or other contagious foreign animal diseases. Other steps, including protective clothing and restrictions on direct contact

with animals, will be implemented as appropriate for visitors who are cleared. All affected farm unit employees have been trained in the biosecurity protocols for handling livestock.

This policy will be in effect until further notice. New guidelines will be issued if and when conditions warrant. More information on foot-and-mouth disease is available at the College of Agricultural Sciences Foot-and-Mouth Disease Information Center on the Web at <http://fmd.cas.psu.edu>.



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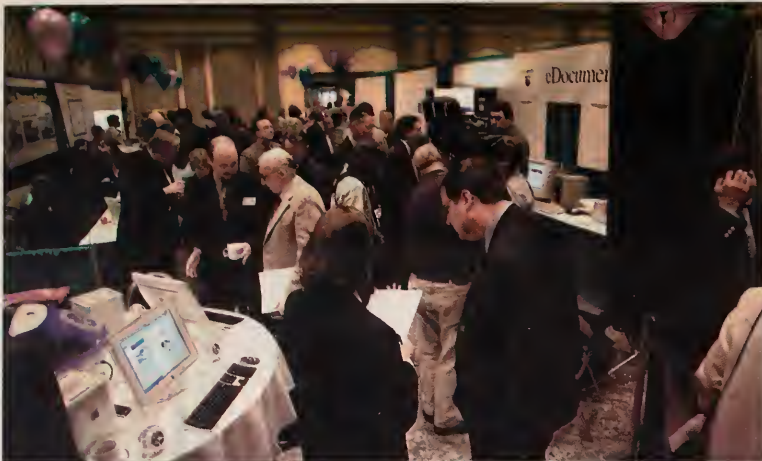
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Quality on display



Photos: Greg Grieco



Exhibitors and roughly 500 visitors filled The Nittany Lion Inn Ballroom on the University Park campus Thursday, April 12, for the ninth annual Quality Expo. The Quality Expo, which showcases accomplishments of teams and individuals involved in quality improvement initiatives, featured 38 exhibits representing 42 teams. Over the last nine years, teams and visitors have come together to share, learn and celebrate continuous quality improvement. **Above**, several exhibitors explain their processes to interested visitors. **At left**, Sally Kalin, associate dean of the University Libraries, seated, and Erin Rehrig, technology coordinator with the University Learning Center, review some of the new teaching techniques on display at the Quality Expo. **Below**, Carla Rossi, manager of financial reporting in the Office of the Corporate Controller, right, chats with Joelle Sherlock, assistant director of career services for the Commonwealth College, about Sherlock's display.

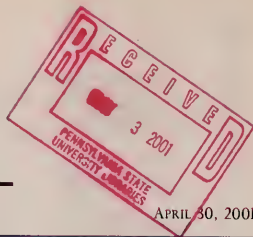


Photo: Annemarie Mountz



Intercom

INFORMING THE PENN STATE COMMUNITY



Historic Nittany Lion Inn marks its 70th anniversary

By JULIE A. BRINK
Public Information

April 29, 1935: "We decided to spend the night here and are enjoying the good inn. Beth still feels quite at home. Hope all is well."

— scribbled on the back of a postcard of The Nittany Lion Inn.

When The Nittany Lion Inn opened on May 5, 1931, the nation was in the midst of the Great Depression. Herbert Hoover was in the White House and accounts of the day called U.S. Route 322, the road outside the inn, the Lakes to the Sea Highway.

Now, 70 years later, the hotel that former University President Eric Walker

called "Penn State's living room" is celebrating its birthday.

Staff at the inn will serve ice cream and cake to the public from 10 a.m. to 2 p.m. May 4 in the Atrium of the inn on the University Park campus.

The landmark inn, located on the northeast corner of the campus, is a gateway between State College and the Uni-

versity community. About 100,000 overnight guests stay there in a year. The inn has been the scene of countless alumni reunions as well as a place where many blue-and-white brides have waltzed the night away at receptions in the ballroom. Sisters Susan and Mara Berfin, both Penn State graduates and State College

Inn, page 2

University announces plan for diversity initiatives

The University administration has announced a plan for expanding its diversity programs. The plan comes on the heels of a student demonstration that grew out of hate mail that threatened the life of a black student leader on the University Park campus. The University continues to look for any information that could lead to an arrest in the case.

"We will turn to every local, state and federal agency available to press this investigation forward," President Graham B. Spanier said in an e-mail message sent to the 41,000 students on the campus. "This is a federal crime that will carry an enormous consequence for the person who made the threat. But more than that, it is an attack against everyone in the Penn State family."

The release of the plan incorporates a number of suggestions from student leaders in the Black Caucus, who in the end were not in agreement with some elements of the plan.

"Several parts of the plan have been under development during this academic year," said Spanier. "Other aspects of the plan include ideas offered by student leaders more recently. Students contributed greatly to the discussion leading to these initiatives. Penn State and the Commonwealth will be well-served by these efforts to enhance diversity," he said.

"Some of the ideas proposed by student leaders were not workable as presented, but I am confident that the elements of the plan announced today will be seen as a great step forward for Penn



At the start of the planned "No Hate at Penn State" march on April 24, President Graham B. Spanier addressed the crowd, urging those present to join together to fight hate. He was shouted down by protesters, as were other administrators who attempted to speak.

Photo: Greg Grieco

State," said Rodney Erickson, executive vice president and provost.

The Pennsylvania Legislative Black Caucus contributed suggestions following a recent visit to campus by three of its members.

The initiatives outlined will, among other things, establish an Africana Studies Research Center within the College of the Liberal Arts. More support is

planned for the Department of African and African-American Studies. The increased staffing is planned to support the additional enrollments in this department that is expected following a review of the University's existing diversity requirement, which is part of the current general education requirement.

Plan, page 3

Lilley leaving Penn State Erie

John M. Lilley, provost and dean at Penn State Erie since 1980, will be leaving the campus to become president of the University of Nevada, Reno. Lilley will assume his new post July 1.

"John has been an outstanding leader at Penn State for nearly 21 years, and we will miss him greatly," said Rodney Erickson, executive vice president and provost. "We offer him our congratulations and enthusiastic best wishes for a very successful presidency."

Erickson has appointed Jack Burke, senior



John M. Lilley

Lilley, page 2

Project report offers options to improve institutional culture

By GARY W. CRAMER
Public Information

Whether founded in individual situations or not, some faculty members worry about the possibility of administrative discrimination should they use family leave and tenure stay for caregiving needs.

However, new policies, and more consistent application of existing ones, could reduce such worries, according to the final report of the Faculty and Families Project.

The project was initiated by the president and provost to study the incompatibilities faced by faculty with simultaneous commitments to Penn State, as their employing institution, and to their families. Although the report authors note that the Univer-

Report, page 3

Inn

Continued from page 1

naives, held their wedding receptions there.

"I couldn't think of any other place in State College or on campus where I wanted to hold the reception," said Susan, now a resident of Virginia. "The Nittany Lion Inn is Penn State. Sure, it's hokey to say that, but it is tradition."

June Gamble of State College and her husband Hays, both Penn State alumni, spent their wedding night there in 1948. "We were married at 4 p.m. in Brookville and on our way to Doylestown," she said. "It was the ideal stopping place." The marriage stuck. They were married 47 years until Hays, a professor emeritus of agriculture economics, died in 1996.

Many students have fond memories of working at the inn. "It's incredible how many people have worked at the inn as students," said James Purdum, general manager of The Nittany Lion Inn and The Penn State Conference Center Hotel. "At one time, hotel administration students were required to work at the inn as part of meeting their academic requirements for the program. A number of those post-World War II graduates went on to become enormously successful."

The neat white Dutch colonial building with the blue trim cost the University \$350,000 to construct and was operated by the Treadway Hotel Corp. during its early days when a night's stay cost \$3.50. The University took over operation of the hotel in 1948. The inn is self-sustaining, according to Fran Levin, director of sales and marketing for the past seven years. "No tax dollars or tuition dollars go to its support," she said.

The inn has room for plenty more guests now than it did in the '30s and '40s when the structure had only 75 rooms. Back then, guest accommodations were furnished with a bed, either wooden or metal frame, a dresser, a writing table, an armchair and a lamp. Today the rooms offer amenities such as computer hookups, room service, coffee makers, hair dryers and ironing boards.



An old, undated postcard from the collection of Centre County alumni chapter president John Ziegler shows a typical guest room at The Nittany Lion Inn during its earlier days of operation.



This archive photo shows The Nittany Lion Inn under construction on the University Park campus. The inn opened its doors to guests on May 5, 1931. On Friday, May 4, the inn will celebrate its 70th anniversary with cake

From the beginning, the colonial-style inn has been furnished in antiques and quality reproductions. Various publications have described the inn's style as "New England" and "Early American." A postcard from Centre County alumni chapter president John Ziegler's collection shows the Fireside Room, now the Alumni Lounge, furnished with wingback armchairs, candle stands, Chippendale-style chairs and cast-iron smoking stands.

Another undated postcard from his collection shows the interior of one of the guest rooms. Warm light glows through the sheer ruffled curtain on the windows and the double beds are covered with chenille spreads. Patterned wallpaper covers the walls and a fringed shade tops the iron floor lamp. A tall bureau with a patterned dresser scarf and an upholstered chair stand in the corner.

The inn's popularity prompted construction of a second wing in 1954 and a third wing was completed in 1992. The new addition was built for \$15 million, according to Purdum. In 1995, the original sections of the hotel were remodeled at a cost of \$1.5 million, Purdum added. Today the Inn has 237 guest rooms, 13 conference rooms and a ballroom that can seat 500 for a banquet.

In the inn's early days, a dinner cost anywhere between 80 cents and \$1, according to a 1941 menu. The menu featured the basics: steak, veal, fish, cold cuts, roast leg of lamb, mashed potatoes, string beans and fruit salad. Today, the inn is famous for its lobster bisque, crab cakes and its weekend seafood buffet. During busy football weekends, the inn serves about 40 to 50 gallons (800 servings) of the bisque, Purdum said.

After a long dry run, the inn got its

liquor license in 1967. Legend has it that the first drink was a whiskey sour ordered by a nun, according to an article in *Town & Gown* magazine written on the inn's 50th anniversary.

The picturesque structure, nestled among the trees and flower gardens, is a favorite for shutterbugs. Levin said she has a hard time deciding what her favorite time of the year is at the inn. Christmas "is just so beautiful," she said. "Our hotel really lends itself to the holiday. People come and have their picture taken in front of our tree."

Levin finally settled on Alumni Weekend in June. "People are just so thrilled to come back to see Penn State, to see old friends," she said. "They are the happiest group we could possibly have here."

If the walls could talk, they'd have plenty to say. Over the years, the hotel has opened its doors to plenty of celebrity guests. Among them are Danny DeVito, Jack Nicholson, Billy Joel, Bruce Springsteen, Britney Spears and Louis Armstrong, Lillian Gish, Helen Hayes, Arthur Godfrey, Jascha Heifetz, and poets Carl Sandburg and Robert Frost. Politicians including Gov. Tom Ridge, President Dwight D. Eisenhower and former first lady Eleanor Roosevelt also have stayed at the inn.

"Billy Joel loves to stay here," according to Levin. "He requests it. His manager calls here directly. Joel goes to the bar, talks to guests. He's very sociable."

Today the inn is a member of the prestigious National Trust Historic Hotels of America, a program of the National Trust for Historic Preservation. It is one of 145 hotels and resorts in the nation recognized for maintaining its historic integrity, architecture and ambiance.

Not bad for the "living room."

Julie A. Brink can be reached at jab81@psu.edu.

Lilley

Continued from page 1

associate provost and senior associate dean at Penn State Erie, to serve as interim provost and dean, effective July 1.

Penn State Erie saw dramatic growth under Lilley, where enrollment more than doubled to 3,800, admissions standards rose, and the research scholarship and creative activity of the faculty was notably enhanced. Four schools and professionally accredited programs were developed, the campus was doubled to 750 acres, the 200-acre Knowledge Park was built, and five major academic buildings, five residence halls and an apartment complex were constructed.

Lilley focused Penn State Erie's strategic planning process on meeting the educational, economic and cultural needs of the region. He played a pivotal role in garnering \$10 million in state support for Knowledge Park on the campus, enabling millions of dollars of further investment, and another \$30 million in a new Research and Economic Development Center building, which was announced in December. Penn State Erie is a leader in continuing and distance education, and currently is participating in an intercollegiate collaboration to deliver a Penn State MBA through the World Campus.

Lilley received bachelor's and master's degrees from Baylor University. He earned a doctorate from the University of Southern California in 1971 and a certificate from the Harvard Institute for Educational Management in 1978. Before joining Penn State Erie, Lilley was a faculty member and administrator at Kansas State University. He began his academic career at the Claremont Colleges in Southern California.

Lilley becomes the 15th president in the 127-year history of the University of Nevada, Reno. He succeeds Stephen McFarlane, who has served in an interim capacity since

Jan. 1, and Joe Crowley, who held the position for 23 years.

More than 13,000 students are enrolled in Nevada's 11 schools and colleges. The university is listed among the highest category of doctoral extensive research institutions according to annual rankings produced by the Carnegie Foundation for the Advancement of Teaching. Annual research and sponsored projects have more than doubled to \$87 million annually.

A national search for a permanent replacement for Lilley at Penn State Erie will be launched in the near future.

Plan

Continued from page 1

"The outline calls for strengthening the role of the vice provost for educational equity position at Penn State, and I am immensely pleased with the opportunity this will provide us to enhance and mainstream our diversity efforts," said Terrell Jones, who currently holds that position.

"I was impressed with the tenacity and commitment shown by African-American student leaders and a broad coalition of faculty, staff and community leaders who have spoken up as a powerful voice on these issues," Spanier said. "We join that chorus."

This latest incident began Friday, April 20, when an anonymous hate letter, addressed to a black student leader, was received on the University Park campus by a reporter for the *Daily Collegian*. In addition to the threat against the black student leader's life, the letter contained a number of racist claims and statements, and implied that the body of a black male could be found at a local site.

As soon as the reporter notified authorities, the Penn State police immediately began an investigation, called in the FBI and notified the State Attorney General and the U.S. Postal Inspector. The administration immediately arranged with University Police Services for 24-hour protection for the threatened student. After a thorough search of the area, both on the ground and by helicopter, authorities turned up no evidence of a crime. By Sunday evening, University officials confirmed that all black male students had been accounted for.

On Friday evening, April 20, and several times since then, University administrators have met with students of the Black Caucus to try to craft an approach to the situation. At the direction of the FBI, the University has not released some specific information on the threats so as not to interfere with the investigation.

The threat received April 20 is the latest

The full text of the Plan to Enhance Diversity at Penn State is on the Web at <http://www.psu.edu/ur/2001/diversityplan.html>



After the thwarted march on April 24, students camped out in the HUB-Robeson Center on the University Park campus. On April 25, students and administrators again met. Before the administrators arrived students gathered and prayed. Once event leaders got word that members of the administration had entered the building, they began leading the crowd in some of the same chants used at the April 24 demonstration.

Photo: Annemarie Mountz

in a series of hate communications received by University students. E-mail threats were received by scores of African-American and other minority students a year and a half ago. These were traced to a computer lab in Philadelphia. Threats also were received earlier this school year. These came

through the U.S. Mail and were postmarked from Altoona, Blair County.

Spanier condemned the threats, and called for "all our students, faculty, employees, alumni and friends to stand together, united against these racist acts." He asked that anyone who might have evidence relat-

ed to this new threat and the earlier crimes to come forward and notify investigators by calling University police at (814) 863-1111. The University and the Penn State Alumni Association jointly are offering a \$10,000 reward for information leading to the arrest of the suspect.

A march against hate planned for April 24 by the University to bring together students, faculty, staff and the surrounding community was taken over by the Black Caucus, which turned it into a rally against the administration. While many members of the crowd dispersed when it became apparent that the march would not take place, the student leaders urged the crowd to remain. They demanded a meeting with Spanier, who agreed to meet with them at the Robeson Cultural Center. After keeping Spanier waiting for two hours, a contingent of students led the crowd from Old Main to the Robeson Center for the meeting. Many students have been sleeping at the HUB-Robeson Center since that night, and were still camped out at press time.

Another event connected with this incident took place Saturday, April 21, when 26 people, most of them Penn State students, stormed onto the field at Beaver Stadium just as the annual Blue-White football game was set to begin. The protesters refused to leave the field and were arrested after repeated requests. The protesters said they were trying to draw attention to racism and the threats.

The University has processed the summary citations for trespass to 23 students and 3 others who were arrested at the Blue-White football game. Administrators asked the police, in consultation with the district attorney's office, to consider the summary citation charges in lieu of the more serious charges of misdemeanor criminal trespass. The police and district attorney have concurred with this approach.

Report

Continued from page 1

sity is "an institution whose policies and practices are arguably more advanced than most comparable universities," they add that there exists "a perception that the University could do so much more, and that policy-oriented research might help guide further efforts."

It is already standard policy at the University that tenure-track faculty with new children (including adoptees) are guaranteed paid leave and stoppage, or stay, of the tenure clock for one year regardless of whether or not a leave is taken. Furthermore, on-site child care can be found on four of the larger University campuses, and the University Park campus actively attracts and supports dual-career families and coordinates its spring break with the local school district.

However, the report's four authors suggest that if faculty worry that utilization of such policies and services will signal an intrusion of family life on academic commitments resulting in harm to their tenure, they will seek to minimize any apparent or actual intrusions. The authors add that,

despite the potential effects of this "discrimination avoidance" behavior on their families, faculty will likely avoid even the most progressive work/family policies in order to seem like an ideal worker in the absence of "changes in the culture, climate, day-to-day practices and expectations across all levels of the University."

"In such an environment as that charted by this project, progress over the long-term will require the involvement of men as well as women, parents and non-parents, and faculty and non-faculty members of the University community," said Robert Drago, one of the report's principal investigators and professor of labor studies and industrial relations. "With that strong caveat, the report includes an abbreviated statement of options for communicating, institutionalizing and enhancing existing policies, and for implementing new policies for new biological or adoptive parents and those responsible for elder care."

Among the options are:

- Establish a culture where leave,

tenure-clock staying and reduced hours for caregivers are the norm.

- Allow faculty caregivers to exchange a reduction in salary for a one course per semester reduction in work load.

- Provide partially paid, full-semester leaves for the semester when a new child is due.

- Make the children of faculty and staff welcome in the workplace.

- Make existing policies regarding new-parent leave consistent across lines of gender and biological versus adoptive parent status.

- Establish "flexible" schedules for child care at University facilities, and encourage cooperative initiatives to enhance the quality and number of child-care facilities in the various communities associated with the University.

- Develop policies for circumstances in which tenured faculty are engaged in long-term or potentially long-term caregiving for elders or other dependent family members.

The research basis for the report, deliv-

ered to the Alfred P. Sloan Foundation in March, derives from input gathered in three public meetings at University Park, a series of focus groups of faculty parents, data collected on faculty hired from 1992 to 1997, and a pilot survey of non-Penn State faculty.

Along with Drago, the principal investigators were Ann C. Crouter, professor of human development and family studies; Mark Wardell, head and associate professor of labor studies and industrial relations; and Billie S. Willis, assistant vice president for human resources. Alicia Grandey, assistant professor of psychology, and Linda Pierce, coordinator for Work/Life Programs, also performed much of the research.

The report is endorsed by the Commission for Women and Women in the Science and Engineering Institute. The full report is available at <http://istr.la.psu.edu/workfam/faculty&families.htm>.

Gary W. Cramer can be reached at gwc104@psu.edu.



Lectures

Music industry adviser discusses e-commerce

Barry K. Robinson, senior counsel for corporate affairs for the Recording Industry Association of America, will give a talk on "Music in the Key of E-Commerce: Has the Recording Industry Found Harmony on the Internet?" at the Penn State Forum lunch on Wednesday, May 9, in the President's Hall at The Penn State Conference Center Hotel, University Park.



Barry K. Robinson

Robinson also has served as senior counsel for international investment and trade in the U.S. Department of Commerce in Washington, D.C. A 1967 graduate of the University's College of the Liberal Arts, Robinson has been a member of the Board of Trustees

since his election by alumni in 1989.

The Penn State Forum is a luncheon speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore. It is open to the public.

Tickets are \$11 for non-members and \$9 for members, and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon. For information, call (814) 865-7390.

Keynote speaker's theme is 'Life is To Enjoy'

Penn State Fayette Women's Day committee has announced the speaker for the 20th annual Women's Day celebration, which will be from 7:30 a.m. to 3:30 p.m. Thursday, May 17.

This year's theme is "Of Women, For Women." Linda Pulliam of Richmond, Va., will explain how "Life is To Enjoy" as the keynote speaker at the daylong campus event.

The program schedule features a number of workshops with opportunities for personal growth and motivation. Other events include a Community Service and Information Fair and silent auction.

Registrations are on a first-come, first-served basis. Parking is available on campus. To register or for information, call Harriet Galida at (724) 430-4199.

Conference focuses on challenges of HIV/AIDS

The School of Nursing is holding a conference on "HIV/AIDS — Meeting the Challenge" from June 28 to 30 at The Nittany Lion Inn on the University Park campus.

Designed to address the needs of health care and social service professionals involved in planning and/or providing direct delivery of services to people living with HIV/AIDS in rural settings, this conference also will provide a forum for researchers and clinicians to discuss critical issues and innovative approaches for improving the quality of life for people living with HIV/AIDS.

Concurrent sessions will cover topics including how to initiate programs in rural

communities that will enhance the psychological status of people with HIV/AIDS, how to implement programs to prevent the disparity of care for people of color, women and other minority populations, and how to implement innovative methods of care delivery that address the quality-of-life issues.

Developing strategies for the prevention of HIV/AIDS in high-risk populations in rural communities also will be discussed.

For information or to request a brochure, call Judy Meder at (814) 865-5100. More information is available at the program's Web site at <http://www.outreach.psu.edu/C&I/AIDSResearch>.

Event looks at news leadership, copy editing

The Penn State Institute for Editors will offer a training opportunity for seasoned professionals and newcomers to the journalism profession on May 20-23 at The Nittany Lion Inn on the University Park campus.

It will include specialized instruction and practical exercises for supervising editors and copy editors. Supervising editors will learn how to provide leadership, build newsroom morale and coach, counsel and mentor their professional colleagues. Additional instruction will cover techniques used for setting and measuring goals for the newspaper staff. Topics for copy editors include detecting and correcting the common mistakes that writers make, writing better headlines and captions and analyzing the structure of stories.

The keynote address at this year's institute will be given by John J. Curley, recently

retired chairman, president and chief executive officer of the Gannett Co., the nation's largest newspaper company.

Other featured speakers include John E. McIntyre, copy desk chief at *The Sun* in Baltimore; John W. Miller, senior vice president and executive editor of the *Tallahassee Democrat*; and Carl Sessions Stepp, associate professor of journalism at the University of Maryland and senior editor of the *American Journalism Review*.

The institute also also feature practitioners from various fields of the newspaper industry as well as instruction from faculty of the College of Communications.

For information, call Chris Dufour at (814) 863-5100 or visit the program's Web site at <http://www.outreach.psu.edu/C&I/Editors>.

Four faculty members named Guggenheim Fellows

Four University faculty are among those selected as Guggenheim Fellows for 2001. The John Simon Guggenheim Memorial Foundation selects Fellows on the basis of their unusually distinguished achievements and their exceptional promise for future accomplishments. From a pool of 2,700 applicants, 183 scientists and scholars were selected for the current year.

The University's Guggenheim Fellows are:

■ James Beatty, associate professor of physics and astronomy and astrophysics. The award will provide support for Beatty's research on the highest-energy particles in the universe. As a member of the Pierre Auger Project, Beatty has helped address the origin of those high-energy cosmic rays — one of the key unresolved questions in modern astrophysics — for the past several years. He serves as task leader for detector electronics, and in that role supervises work involving about a quarter of the \$50 million budget for the international collaborative research effort. With the use of ground-based detectors, the Auger Project is beginning to collect data on those particles and their origin. While on sabbatical from Penn State at Bartol Research Institute at the University of Delaware, Beatty will devote his fellowship year to the problems related to the analysis and interpretation of data from the Auger Project.

Beatty joined the University in 1995 and has held positions at Washington University in St. Louis and the McDonnell Center for the Space Sciences, Boston University and the University of Chicago. He earned his doctoral and master's degrees in physics as well as a bachelor's degree in chemistry at the University of Chicago.

■ Anibal González, Edwin Erle Sparks professor of Spanish in the Department of Spanish, Italian and Portuguese. González was awarded a Guggenheim Fellowship for his next research project, a book on "The new sentimental novel in Spanish America." This project will study the turn toward sentimentality and love themes in novels by a group of major contemporary Spanish-American writers. A preliminary version of this research project, concentrating on a novel by Alfredo Bryce Echenique, was presented as a lecture at the Department of Spanish and Portuguese of Yale University on March 27.

González received his bachelor's degree from the University of Puerto Rico, Rio Piedras in 1977 and his doctorate in Latin

American literature from Yale University in 1982. He joined the University in 1994 after teaching at the University of Texas at Austin and at Michigan State University.

■ Joan B. Landes, professor of women's studies and history. Landes was awarded a Guggenheim Fellowship for her next research project on "Artificial Life in 18th-Century France." She will spend the year-long fellowship in archives and libraries in Paris and Burgundy. A preliminary version of the research project, concentrating on the anatomist Honoré Fragonard, was delivered last November at the University for the Consortium for Early Modern Studies symposium "Monstrous Bodies/Political Monstrosities in the Early Modern Period," and will appear in a book Landes is co-editing from the symposium and related lectures.

Educated at New York University and Cornell University, Landes joined the faculty in 1995 after teaching at Hampshire College in Amherst, Mass., and serving as a visiting professor at other institutions, including Bucknell University, Smith College, the University of Massachusetts-Amherst, and the University of Waikato, Hamilton, New Zealand.

■ Mark Maroncelli, professor of chemistry. Maroncelli's fellowship will help support a sabbatical leave split between the University of Texas and Penn State, during which time he will undertake computational studies of supercritical fluids in collaboration with other researchers. These computations are part of ongoing research in his laboratory that focuses on achieving a molecular-level understanding of static and dynamic aspects of solvation and how those aspects influence chemical reactions and other time-dependent processes taking place in a solution.

A member of the University faculty since 1987, Maroncelli was named associate professor in 1993 and professor in 1997. Before he arrived at Penn State, he held positions at the University of Chicago and Oregon State University. He earned his doctoral degree in chemistry at the University of California at Berkeley in 1983 and his bachelor's degree in chemistry, with highest honors, at Williams College in 1979.

The John Simon Guggenheim Memorial Foundation was established in 1925 by U.S. Sen. Simon Guggenheim and his wife Olga as a memorial to a son who died in 1922. The foundation offers Fellowships to further the development of scholars and artists by assisting them to engage in research in any field of knowledge and creation in any of the arts, under the freest possible conditions.

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News in Brief

Faculty survey prototype test

Recognizing the large demand but limited resources that faculty members have for surveys of their students, the Centers for Academic Computing and Education Technology Services are prototyping a new Assessment Survey Kit (ASK).

ASK will provide faculty with everything they need to create and administer online surveys without having to know HTML. The kit was co-developed with the Schreyer Institute for Innovation in Learning and University Testing Services. The kit will make it possible to obtain feedback on teaching effectiveness; quantifying and qualifying the learning that occurred in class; and gathering ideas and miscellaneous data to use as teaching tools. Faculty will be able to test ASK at the end of the spring semester.

Instructors who are interested in volunteering for the ASK prototype test can learn more by e-mailing Karen Peters at kmp138@psu.edu.

Parking permits update

The end of each spring semester and June 30 are times when some faculty/staff members terminate their employment or retire from the University. These employees should return their parking permits on their last day of work.

Faculty or staff taking a leave of absence over the summer months also may wish to return parking permits so as not to incur charges for parking during their absence. Payment is required for the possession of the permit regardless of usage.

From May 5 until Aug. 20, students who are not taking summer classes or credits are eligible for open-staff faculty/staff parking privileges.

The parking permits to be issued this year are the cardboard disposable permits available from the Parking Office. The permit is paid upon receipt at a rate of \$19 per month for June, and \$20 per month for July and August or \$10 per week.

Students also may choose to purchase a student parking permit by showing a valid driver's license and vehicle registration at the Parking Office. The student parking permit will allow parking in their specified parking lot from 7:30 a.m. to 4 p.m. Monday through Friday.

'Ms. Demeanor' to show the way

Mary Mitchell, better known as "Ms. Demeanor," the *Philadelphia Inquirer's* etiquette authority, will share the finer points of dining at Penn State Abington's first "Manners and Moxie" business etiquette program on Tuesday, May 8.

The event will be from 5:30 to 8 p.m. in the Dean's Dining Room in Lares Building on the Penn State Abington campus.

Mitchell will cover many aspects of what students need to do to make a winning impression during the job interview process. Regional business executives have been invited to the event to hold mock interviews, after a "power" dinner with the business professionals and students.



Dana Silva, a member of the Horticulture Club, was selling flowers recently outside the HUB-Robeson Center on the University Park campus. With Mother's Day and graduation coming, florists will be doing plenty of business in May.

Photo: Greg Glencoe

Records management

Jackie Esposito, University records manager, and her assistant, Robyn Dyke, will present a free, one-hour brown-bag luncheon on file organization.

Esposito and Dyke will explain the details of University policy AD-35, explain how to use retention schedules (General Forms Usage Guide Appendices 18 and 21) and offer time-saving tips for organizing and coordinating records. They also will cover the advantages of using the Inactive Records Center and the University Archives.

Brown-bag luncheons (dessert provided) are scheduled for noon to 1 p.m. May 10, June 7, July 12 and Aug. 2, in the Mann Assembly Room, 103 Paterno Library on the University Park campus. To register, call (814) 865-7931 or e-mail jxe2@psu.edu.

New CAT seminars planned

LIAS, the Library Information Access Sys-

tem, is changing. On May 23, a new version of The CAT will go live at <http://www.libraries.psu.edu>.

To familiarize students and faculty with the new features, Enhanced CAT Introductory Seminars will be held at 11 a.m. May 1; 10 a.m. May 2; and 3 p.m. May 3 in the Foster Auditorium, 101 Pattee Library on the University Park campus. All sessions are an hour long. No registration is required.

A preview site of The CAT may be viewed at <http://preview.libraries.psu.edu/>. This site was developed from material in the catalog frozen in March 2000; entries are not up-to-date.

The new system is a joint effort of the University Libraries and Library Computing Services. It will expand interlibrary loan services, provide easier and more direct access to full-text databases, improve access to electronic course reserves, speed circulation notices via e-mail and add more hotlinks via the libraries' electronic resources.

For information on the seminars, e-mail Loanne Snavey, head of libraries instructional programs, at lsnavey@psu.edu

Intercession hours

The University Libraries announce their hours for the spring intercession, Sunday, May 6, through Sunday, May 13. The schedule for intercession hours is as follows:

- Sunday, May 6: closed;
- Monday-Friday, May 7-11: 8 a.m. to 5 p.m.;
- Saturday, May 12: 9 a.m. to 5 p.m.
- Sunday, May 13: 1 to 10 p.m.
- Monday, May 14: start of summer hours.

Pollock Laptop Library will be open from 9 a.m. to midnight Sunday, May 13.

Holiday schedule

Two official University holidays will occur this spring and summer.

The University will observe the Memorial Day holiday on Monday, May 28, and the Independence Day holiday on Wednesday, July 4.

No classes will be held on either day.

Water conservation alert

With water levels low in University wells, the University community is being asked to voluntarily conserve water.

"The Penn State wells are at the lowest levels I've ever seen," warned John Gaudin, Physical Plant utilities systems engineer, who has been monitoring the University's water supply since 1986.

The surrounding Centre Region has been experiencing a shortfall in precipitation that affects University water supplies. Total yearly precipitation over the past five years has been below the normal amount (39.4 inches) measured from 1961 through 1990, according to figures from the National Weather Service. This year, precipitation is 2.4 inches below the normal amount after the first two months.

The following conservation measures are urged:

- Turn off unnecessary water flows and shut down water-cooled laboratory equipment when not in use,
- Report all dripping faucets, showers and continuously running or leaking toilets to the OPP Service Desk at (814) 865-4731. One drop per second equals 3,000 gallons a year.
- Wash full loads of clothing and dishes.

■ Reduce shower time, which can save five to seven gallons per minute.

■ Do not use running water to melt ice or frozen foods.

■ Don't run water while shaving, brushing teeth or washing dishes by hand.

■ Refrigerate tap water to avoid running the faucet to get cold water.

If conditions do not improve, the University could begin mandatory water conservation measures. Whenever the governor declares a drought emergency, state law requires that mandatory water conservation measures be activated.



University Park Calendar

May 2 - May 10

SEMINARS

Wednesday, May 2

Daniel Reich on a subject to be announced, 3:30 p.m., 339 Davey Laboratory.

Thursday, May 3

Gilbert Jersey on "Fuels and Emissions Challenges," 3:30 p.m., C213 Coal Utilization Laboratory.

Tuesday, May 8

George Hess on "Illuminating Reactions Controlling Communication Between Brain Cells Using Transient Kinetics and Combinatorial Synthesis," 4 p.m., S5 Osmond Laboratory.

Wednesday, May 9

Barry Robinson on "Music in the Key of E-Commerce: Has the Recording Industry Found Harmony on the Internet?" 11:30 a.m. to 1 p.m., The Penn Stater.

Thursday, May 10

Jon M. Sievebaek on "Dimethyl Ether (DME): The Clean Fuel for Diesel Engines," 3:30 p.m., 18 Research Building, East.

EXHIBITS

HUB-Rebosen Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

Kern exhibit area

"History Past, History Present: The Daguerrotype Portrait in America," through May 20.

Pattee and Paterno Library exhibit areas

"The Digital Photography Studio, Student Photographs," 109 Pattee, through May 20.

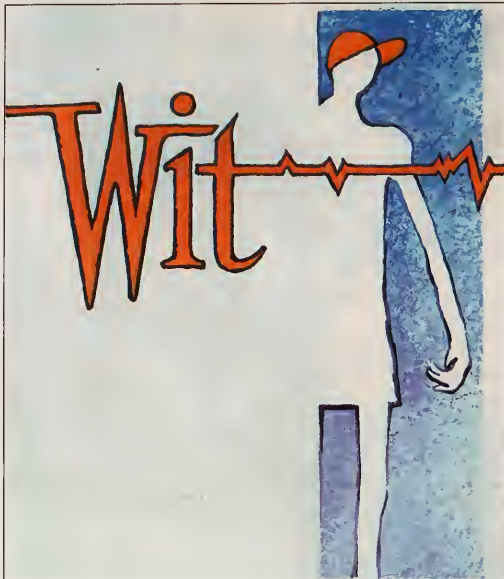
Ritenour Center

"Secret Strengths," photographs by Rebecca Porter, through Sept. 12.

Willard

"Color, Light, Line," abstract paintings and drawings by Veronica Foti, May 9 through Aug. 10.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



"Wit" by Margaret Edson, plays at 8 p.m. May 11, 12, 18 and 19; and at 7:30 p.m. May 14-17. Previews are at 7:30 p.m. May 9-10 at the Playhouse Theatre on the University Park campus. For more information, check the Web at <http://www.pacentrestage.psu.edu/>.

PROMOTIONS

Staff

Kathie S. Alterio, staff assistant VI in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Michelle A. Ash, staff assistant VI in Division of Outreach and Cooperative Extension

Wanda J. Ayers, staff assistant VI in University Libraries

Denise A. Balawejder, staff assistant VI at Penn State Great Valley

Annette I. Bookter, coordinator, diversity support in education in Affirmative Action Office

Margery A. Bradley, staff assistant VI in University Libraries

Kimberly A. Bruen, staff assistant V at Penn State Schuylkill

Kathleen A. Burd, staff assistant VI in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Kristin Z. Camplese, senior instructional designer in School of Information Sciences and Technology

Linda A. Coble, staff assistant VI in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Tina M. Confer, staff assistant VII in Office of the Vice President for Research

Thomas J. Cusick, microcomputer information specialist in College of the Liberal Arts

Joelle S. Devinney, microcomputer information specialist in College of the Liberal Arts

Deborah L. Diercks, coordinator academic program support in Registrar's Office, Office of the Vice Provost and Dean for Enrollment Management and Administration

Mary R. DiVito, staff assistant VI in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Janet V. Doyle, assistant director of development in Division of Development and Alumni Relations

Maureen Drain, staff assistant IX in College of Agricultural Sciences

Edward C. Dumond, microcomputer information specialist in College of the Liberal Arts

Michael J. Errigo, lead systems analyst in Computer and Information Systems — Administrative Systems

Colette R. Espigh, staff assistant VI in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Becky J. Faulhaber, staff assistant V at Penn State Erie

Amanda Futrick Brooks, staff assistant VI in Applied Research Laboratory

Charles M. Gudeman, client services manager in Division of Outreach and Cooperative Extension

Diane R. Gustine, X-ray supervisor in Student Affairs

Timothy R. Haak, Web/publication designer in College of Medicine, The Hershey Medical Center

Janet A. Haner, assistant to the dean for public relations in Office of International Programs, Office of the Executive Vice President and Provost

Joseph C. Holobar, library supervisor III in University Libraries

ARTS & ENTERTAINMENT

Opera lecture

An Afternoon with the Arts program will be held at 2:30 p.m. Sunday, May 6, in Room 112 Woodland Building on the Penn State Abington campus.

Richard Woodhams, principal oboe with the Philadelphia Orchestra, will discuss Richard Williams' "Concerto for Oboe and Strings."

The fee is \$15 and \$5 for senior citizens. The program is free to students with an identification card.

For information and registration, call (215) 881-7368.

Jazz performance

Eric Mintel will perform with his jazz quartet at 7 p.m. Thursday, May 24, in the outdoor amphitheater on the Penn State Abington campus.

Rain date for the event is May 25.

For information, call (215) 881-7368.

Gallery exhibit opens

The works of Jeri Robinson and Allyn Stewart are on display through June 15 in the Morrison Gallery of the new library at Penn State Harrisburg.

Robinson is an associate professor of art at Millersville University and Stewart is an assistant professor at Marywood University in Scranton.

Robinson's show, "Changing Voices," is composed of digital inkjet-photographic works that focus on the degenerative effects of rheumatoid arthritis.

Stewart's show "New Works (Kosovo Series 2000)" uses digital prints to "address the horrors of the Balkan war and the cultural destruction of a people's history and humanity."

For information, call the Office of Student Activities at (717) 948-6273. The exhibit is free to the public.

Spanier will outline statewide capital plan

Penn State Capital Plans will be updated at a public briefing at 3 p.m. Wednesday, May 9, in room 206 at The Penn State Conference Center Hotel on the University Park campus. This version of the Capital Plan was developed in 1997 and is updated every two years.

President Graham B. Spanier will outline the new statewide capital plan for fiscal years 2001-02 through 2006-06 and the Office of Physical Plant will brief the attendees on near-term (next 18 months) construction at University Park. Capital Plan projects across the state are funded by a combination of state and University funds, gifts and borrowing.

The meeting is open to the public and scheduled during the week of the Board of Trustees meeting so that trustees and area business, community and government leaders can attend. A complete list of design and construction projects and estimated project costs for the 1999 plan can be found at <http://www.opp.psu.edu/cplan/> on the Web.



Appointments

Sociology names methodologist as new department head

Glenn Firebaugh, professor of sociology, is the new head of the Department of Sociology, effective July 1.

He joined Penn State in 1988 as professor and senior scientist at the Population Research Institute.

Firebaugh is a methodologist who specializes in the study of social change, international development and demography. His current work focuses on comparing historical and current trends in worldwide income inequality.

Firebaugh's 1999 article, "Empirics of World Income Inequality," recently won



Glenn Firebaugh

the best-article prize from the Center for the Study of Inequality at Cornell University. From 1997-2000, he was editor of the *American Sociological Review*.

Firebaugh is the recipient of the Faculty Scholars Medal for Outstanding Achievement in the Social and Behavioral Sciences for 2001 and received the Distinction in the Social Sciences Award from the College

of the Liberal Arts in 2000. Since 1988 the National Science Foundation has supported his research continuously. He is an elected member of the Sociological Research Association.

Campbell first recipient of William S. Pierce professorship

Dr. David B. Campbell, chief and professor of surgery at The Milton S. Hershey Medical Center and the College of Medicine, has been named the first recipient of the William S. Pierce professorship in surgery.

Campbell, a graduate of Wabash College and Indiana University School of Medicine, served his residency in general and cardiothoracic surgery at The Milton S. Hershey Medical Center, where he is now chief of the Division of Cardiothoracic Surgery. He serves on the editorial board of *The American Surgeon*, is the editor of *SESATS (Self Education/Self Assessment in Thoracic Surgery)* and is a reviewer for *The Annals of Thoracic Surgery* and *The Journal of Thoracic and Cardiovascular Surgery*.

Pierce is known worldwide for his ground-breaking research in circulatory assist and artificial heart pumps. Pierce led the University team that developed the Penn State Heart, one of the only two air-driven, temporary artificial heart designs approved by the U.S. Food and Drug Administration for use in humans. The pneumatic heart assist, manufactured by Thoratec Laboratories Corp., is now used worldwide to support patients awaiting heart transplant.

An endowed professorship provides funding which honors a renowned professor for past academic achievement and enables the recipient to pursue lines of research or innovative teaching methods.

Faculty Academy focuses on 'Building Bridges for e-Learning'

Pennsylvania educators from kindergarten through the university level will delve into the emerging new world of e-learning when they gather June 18-20 for the second Faculty Academy to be held on the University Park campus.

Coordinated by the School of Information Sciences and Technology (IST), the theme for the 2001 Faculty Academy is "Building Bridges for e-Learning."

"As educators, we are charged with preparing students of all ages to work and succeed in the future, and therefore we must create learning environments that facilitate learning in the knowledge age," said James B. Thomas, dean of IST. "This requires that we explore ways to build bridges from theory to practice, across disciplines and across levels of education."

The inaugural Faculty Academy brought together more than 200 faculty members and administrators from some 60 institutions of higher learning across the Commonwealth. This year, conferees also are being invited from the state's elementary, middle and high schools.

Sessions at "Building Bridges for e-

Learning" have been developed to help provide key insights into the implementation of educational technology.

"We will be examining the cutting-edge tools and methods that have been successful in e-learning systems and environments," said John Harwood, senior director of the Center for Education Technology Services and a member of the Faculty Academy planning committee. "We also will be delving into ways educators can gauge how effective they have been in integrating technology into their classrooms."

Participants in the conference also may involve themselves in an ongoing "community of learning." This virtual community had its beginning on the World Wide Web in the wake of the 2000 Faculty Academy. Located at <http://www.pafaculty.org>, this Web site is an online source of information and resources for faculty academy participants.

For information about the 2001 Faculty Academy or to register, go to the Web site listed above. For information, call Charles C. DuBois at (814) 865-4458 or e-mail news@ist.psu.edu.

Smeal College appoints new MBA director of marketing

Kathleen Welch recently joined The Smeal College of Business Administration as the M.B.A. director of marketing.

Welch is a 1999 graduate of the Smeal master of business administration program and received her bachelor of science in accounting in 1984.

Her responsibilities include marketing the MBA program to prospective employers and students as well as providing professional leadership to build and enhance relationships with the business community.

Management strategist to join faculty in Smeal College

Donald Hambrick, management strategist, will join the Smeal College of Business Administration as the new Smeal chair in management.

Hambrick is currently the Samuel Bronfman professor of Democratic business enterprise at Columbia University's Graduate School of Business.

Hambrick earned his doctorate from Penn State in 1979. He holds a bachelor of science degree from the University of Colorado and an MBA from Harvard University.

He is the author of numerous articles, chapters and books on the topics of strate-

gy formulation, strategy implementation, executive staffing and incentives, and the composition and processes of top management teams. His recent book, *Navigating Change: How CEOs, Top Teams and Boards Steer Transformation*, presents leading-edge thinking for executives who are embarking on corporate change initiatives.

Another book, *Strategic Leadership: Top Executives and Their Effects on Organizations*, is extensively used by scholars of executive leadership.

Hambrick is a consultant and instructor in corporate executive education programs.

Cereal research expert joins College of Agricultural Sciences

As part of a renewed research initiative in the quality and uses of cereal grain, the College of Agricultural Sciences appointed Koushik Seetharaman as assistant professor in the department of food science.

Seetharaman's research will focus on cereal foods manufacturing, structure-function relationships in foods and the adoption of genetically enhanced grains.

Seetharaman earned a bachelor of science degree in dairy science and technology from Gujarat Agricultural University in

India in 1987, a master's degree in food chemistry from Cornell University in 1990 and a doctorate in food science from Texas A&M University in 1996. He has served as a research associate at the University of Florida's Citrus Research and Education Center (1990-91) and a research assistant at Texas A&M University (1991-96). He worked as a food scientist with Merlin Development Inc. (1996-98) and as a post-doctoral research associate at Iowa State University (1998-2000).

OBITUARIES

Harvey R. Kelly Jr., assistant professor of speech at Penn State Beaver, from Sept. 1, 1968, until his retirement July 1, 1998; died on Feb. 22, at the age of 68.

Lewis H. Laird, lead painter in the Office of Physical Plant, from June 1, 1952, until his retirement Jan. 4, 1986; died March 1. He was 77.

Dorothy A. Polanesky, residence hall worker in Housing and Food Services, from Oct. 17, 1983, until her retirement June 30, 1999; died March 2, at the age of 66.

Edna M. Shirk, chief telephone operator in Telephone Services, from Oct. 1, 1938, until her retirement March 28, 1992; died Feb. 27. She was 100.

Russell C. Olivney, maintenance worker in Housing and Food Services, from Oct. 1, 1957, until his retirement June 30, 1975; died April 3, at the age of 91.

Iida L. Fye, janitorial worker in Office of Physical Plant, from Aug. 1, 1964, until her retirement March 17, 1979; died March 23. She was 83.

Earl W. Kelley Sr., supervisor of equipment records in Office of the Corporate Controller, from May 1, 1948, until his retirement July 16, 1982; died March 26, at the age of 74.

Robert K. Markel, vending machine service in Housing and Food Services, from Nov. 21, 1966, until his retirement June 1, 1983; died March 28. He was 79.

Dorothy E. Mothersbaugh, records clerk A in the Registrar's Office, from Sept. 1, 1965, until her retirement June 28, 1980; died April 1, at the age of 86.

Thomas S. Oakwood, professor emeritus of chemistry in Eberly College of Science, from Sept. 1, 1935, until his retirement July 1, 1970; died April 4. He was 91.

Jesse I. Pollard, assistant professor of physics at Penn State Hazleton, from Sept. 1, 1962, until his retirement June 30, 1980; died March 10, at the age of 85.

Joseph O. Reeder, animal caretaker in Office of the Vice President for Research, from Sept. 1, 1961, until his retirement Jan. 30, 1988; died March 23. He was 71.



Outreach programs presented with 5 national awards

University outreach programs have been honored with five awards from the University Continuing Education Association (UCEA), the principal organization for continuing higher education in the nation.

The following awards were presented to faculty and staff.

■ **Conferences and Professional Programs Exemplary Program Award for "Learning About LifeLink: A Model Transition Program."** Students with disabilities in the State College Area High School, who call themselves the Wild Dream Team, designed, implemented and operate LifeLink, a program that prepares them for the demands of adult living. They shared their model program at a conference held at Penn State. Award recipients are Kathleen S. Karchner, conference planner, and Janet R. Patterson, senior conference planner, Conferences and Institutes, Penn State Division of Continuing Education; and special education teachers Teri Lindner, Sharon Pearson and Pam Jimeson in the State College Area School District. This program also

received a UCEA Region II Award of Excellence for Programs for Special Populations.

■ **Conferences and Professional Programs Exemplary Program Award for "ElderNetting in Comfort: Plug Into the Internet Community."** Award recipients are Nancy A. McCord, program specialist, Division of Continuing Education; and instructors Barbara Grabowski, associate professor of education in the College of Education, Pat Hopkins and Christopher Rynd.

■ **Conferences and Professional Programs Exemplary Program Award for "Progress Through Partnership: National Conference and Pennsylvania Autism Institute."** Award recipients are Chriss A. Schultz, conference planner, Conferences and Institutes, Division of Continuing Education; and John T. Neisworth, professor, Special Education Program, College of Education.

■ **Fransdon Award for Sustained Excellence for "Children's Literature Matters"** conference, held annually since 1992. Award recipients are Carolyn Andersen, conference

planner, Conferences and Institutes, Division of Continuing Education; Daniel D. Hade, associate professor of language and literacy education, College of Education; and Vickie Stephens, staff assistant, Conferences and Institutes.

■ **Bronze Award for the 2000/2001 World Campus Marketing/Publications Campaign** that created a variety of promotional materials highlighting the benefits of learning and partnering with the World Campus. Award recipients include Heather Kris Middleton, marketing manager, Department of Distance Education/World Campus; Judith L. Richardson, coordinator for public information, Outreach Marketing Consulting Services; Outreach Office of Marketing Communications staff members Brian Mizikar, graphic designer; Patricia A. Hummer, production manager; Haydn Kuprevich, marketing manager; Angela Rogers, assistant director for production; and Phyllis Harbst, graphic designer; and Distance Education/World Campus staff members Robert Snyder, director, data management services, and Rhonda Walker, Webmaster/database administrator.

Career Development Award presented to assistant mathematics professor

Andrew Belmonte, assistant professor of mathematics, has received a Faculty Early Career Development Award from the National Science Foundation.

The award, which the agency describes as its highest honor for new faculty, provides five years of funding to stimulate the early development of academic careers in science and engineering and to support



Andrew Belmonte

the critical roles played by faculty members in integrating research and education.

Belmonte studies the dynamics of complex fluids in the W.G. Pritchard Laboratory in the Department of Mathematics. The award will help to support his research with a project titled "Macromolecular Fluid Flow: Experiments, Equations and Education," which integrates experimental and mathematical work with strongly related educational and outreach efforts.

The research focuses on the flow of fluids that have a complicated molecular structure, such as long-chain polymers, in which there is typically no single agreed-upon equation to describe the behavior. The pertinent equations, known as partial differential equations because they involve derivatives of both space and time, are considered by mathematicians to be among the most challenging kinds of equations to solve.

By performing experimental studies of these systems and developing equations that model them, Belmonte hopes to discern which models are appropriate while also gaining insights into the flow of these complex materials.

Belmonte joined the University faculty in 1998 and was awarded an Alfred P. Sloan Research Fellowship in 2000.

Chemist named Sloan Foundation fellow

The Alfred P. Sloan Foundation has selected Philip Bevilacqua, assistant professor of chemistry, as a 2001 Alfred P. Sloan research fellow.

The foundation awarded 104 fellowships to faculty who are in the early stages of their research careers and who have exceptional promise to contribute to the advancement of knowledge in chemistry, computer science, economics, mathematics, neuroscience or physics.

Bevilacqua's research interests include biophysical approaches to RNA folding, catalysis and structure, with an emphasis



Philip Bevilacqua

on viral RNAs. In addition, he uses temperature-gradient gel electrophoresis to separate complex combinatorial libraries for various RNA and DNA structures according to their thermal stability. He identifies selected RNAs by cloning and sequencing, and studies their structure and function by ultraviolet melting experiments, calorimetry and nuclear-magnetic-resonance spectroscopy.

Bevilacqua joined the University in 1997, and received a Faculty Early Career Development Award (CAREER) from the National Science Foundation in 2000.

Arts and Architecture presents faculty awards

Several faculty members were recently honored with awards from the College of Arts and Architecture.

Winners of this year's Faculty Award for Outstanding Teaching are Charlotte Houghton, assistant professor of art history; Marica Tacconi, assistant professor of music; Steven Shaffer, assistant professor of architecture; and Elizabeth Smith, asso-

ciate professor of art history.

This year's Roy C. Buck Award, which honors tenure-track faculty for outstanding refereed articles in scholarly journals, goes to Brian Curran, assistant professor of art history; and, jointly, Borj Sczygiel and Robert Hewitt, assistant professors of landscape architecture.

Schreyer Honors College Scholars to be honored at medals ceremony

The Schreyer Honors College will hold a medals commencement ceremony for more than 320 graduates who have successfully completed the requirements to earn an honors diploma at 5 p.m. Friday, May 11, in Eisenhower Auditorium on the University Park campus.

The honors graduates will receive a medallion designed by John A. Cook, professor emeritus of art in the College of Arts and Architecture. President Graham B. Spanier will present the medals, assisted by Rodney Erickson, provost and executive vice president; John Cahir, dean of the Office of Undergraduate Education; and Cheryl Achtenberg, dean of the Schreyer Honors College.

Three student awards will be presented during the ceremony. The Paul Axt Prize recognizes a Schreyer Scholar who has seized the opportunities offered by the University and the Honors College

to create an undergraduate education notable for both its breadth and depth. The Schreyer Honors College Mission Award is awarded to a Schreyer Scholar who best exemplifies the mission of the Honors College—academic excellence, internationalization and service leadership. The Dean's Award for Research Achievement honors a graduating Schreyer Scholar who has accomplished a single, extraordinary, research achievement. The award honors work of high quality, outstanding intellectual value, creativity, commitment and significance.

The Honors College was named for its benefactors, William A. and Joan Schreyer. The Schreyers' \$30 million donation allowed for the transformation of the former University Scholars Program into a multidisciplinary center of undergraduate work which has been recognized as one of the top honors programs in the country.

PARTINGS

2 say farewell to University

Betty L. Layton, administrative assistant II in the Center for Academic Computer, from Nov. 26, 1979, to Feb. 16.

Marion P. Williams, staff assistant VI in University Arts Services, from Feb. 3, 1986, to March 1.

Check out Intercom online at <http://www.psu.edu/INTERCOM/>

Administrative Fellows named for 2001-02

Continuing a long tradition of mentoring those interested in gaining a broader view of Penn State, the University has announced the selection of three Administrative Fellows for 2001-02. Those selected are:

■ Renee D. Diehl, professor of physics, Eberly College of Science, who will be working with Eva J. Pell, vice president for research and dean of The Graduate School;

■ Bonnie J. MacEwan, assistant dean for collections University Libraries, who will be working with Rodney A. Erickson, executive vice president and provost; and

■ Kelly B. Snyder, associate director for scholarships and special programs, Office of Student Aid, who will be working with Rodney P. Kirsch, vice president for Development and Alumni Relations.

Diehl joined the University in 1990 as associate professor of physics. She was promoted to professor in 1998. Her research involves the measurement of the structures and dynamics of atoms and molecules adsorbed on single-crystal surfaces. The emphasis of her research in the past 18 years has been the study of weakly adsorbed, simple atoms on metallic surfaces. In particular, she has been a leader in the study of structures of weakly bound species (alkali metal atoms, rare gas atoms and simple molecules) on metal surfaces and their structural effects on the substrate. Her interest in this area arises partly because alkali metals have diverse industrial applications. Her research findings have culminated in a new framework for understanding simple metal adsorption.

Diehl has overseen the studies of 21 graduate students and postdoctoral fellows, and has presented numerous invited papers, seminars, workshops and lectures. She has been involved in several committees in the Department of Physics, the Eberly College of Science and the University. Currently she is a member of the Faculty Senate and the Commission for Women.

She received her bachelor's degree magna cum laude from Juniata College in 1976 and her doctorate in physics from the University of Washington in 1982.

MacEwan is responsible for developing and implementing collection development policies for the University Libraries. In her role, she assures direct dialogue on collection concerns among faculty throughout the University and the libraries, and participates in library planning, policy-making and budget preparation activities; communicates regularly with collegiate faculty and students to ensure that library service and information needs are being met; oversees the acquisition and processing of gifts and represents the libraries' collection development concerns and interests in various national and regional consortia and programs.

The 2001-02 Administrative Fellows will begin their duties in their mentors' offices at the start of the fall semester.

MacEwan has participated in numerous committees both within the University Libraries and University-wide, and holds several professional memberships. Currently, she is a member of the Commission for Women, the Committee on International Strategic Initiatives and the Electronic Theses and Dissertations Implementation Committee.

She received her bachelor's degree in English at Whittier College, Whittier, Calif., in 1972, and her master's degree in librarianship at the University of Denver in Colorado in 1978. She joined the University in 1981.

Snyder started with the University in 1987 as a wage payroll employee in the Office of Student Aid, and received progressive promotions through a 13-year period. She currently is associate director for scholarships and special programs. She participates as a member of the Office of Student Aid's planning team, which is responsible for determining office-wide policies and priorities. She is part of the development team for the Penn State Opportunity Grant and Bunton-Waller Scholarship and Fellows Program — programs that are funded at more than \$9 million and serve more than 3,000 students.

In addition, Snyder is responsible for the management of University scholarships administered by the Office of Student Aid; maintains NCAA financial aid compliance for more than 900 student-athletes, assisting coaches and prospective students with financial aid questions and concerns and administering the NCAA Special Assistance Fund; and acts as the Office of Student Aid liaison to the Undergraduate Admissions Office.

She received her bachelor's degree in administration of justice from Penn State in 1983, and expects to receive her master's degree in higher education from the University this spring.

This is the 16th consecutive year of operation for the Administrative Fellows Program, which was developed jointly in 1986 by the Office of the President and the Commission for Women. The program provides professional development opportunities for faculty and staff. By serving under the mentorship of senior administrators, fellows receive opportunities to broaden their perspectives and experiences in higher education administration. The program is especially meant to encourage women and minorities to seek these opportunities.

The 2001-02 Administrative Fellows will begin their duties in their mentors' offices at the start of the fall semester.

For more information about the Administrative Fellows program, check the Commission for Women Web site. Go to <http://www.lions.psu.edu/cfw/> and click on the link to Administrative Fellows.

Sprucing up



George Kline sanded while Bob Markle, background, painted the rear entrance to Old Main. The spring maintenance program on the University Park campus is well under way.

Photo: Greg Grieco

Center changes name to better reflect its mission within the Smeal College

The former Center for Logistics Research in The Smeal College of Business Administration has begun operating under a new name: the Center for Supply Chain Research.

"The new name was selected to better portray the center's direction," explained William L. "Skip" Grenoble, executive director. The center is taking a more interdisciplinary approach to research.

The center is organized within Smeal College's Division of Research. Founded in 1989, it is a research community of scholars and practitioners dedicated to shaping practice in logistics and supply chain management in today's converging economies.

The center draws upon faculty members from several academic areas as well as from other universities. Faculty affiliates are involved in several disciplines, including business logistics, management science, operations management, business law, geography, agricultural economics and industrial engineering.

The name change will involve a new wordmark and visual identity system, Grenoble said.

For information about the center, call Susan Furdum, administrative director, at (814) 865-0585, or visit online at <http://www.smeal.psu.edu/cscr>.



Private Giving

Leading the Way

The Faculty and Staff Campaign 2001

"The HUB-Robeson Galleries, centered in the hustle and bustle of student activity, bring together ideas and perspectives which point out the complexity of today's society. The gallery exhibitions provide interaction opportunities that underscore the lessons students are learning and faculty are

teaching. To bring high quality exhibits of diverse art and artists, it takes time, people and money. I'm happy to contribute to the continued growth and education of our students through the visual arts, so I encourage everyone to support the galleries by coming to the exhibits and contributing whatever they can."

— Ann Shields is senior gallery manager at the HUB-Robeson Galleries and has worked at the University in various roles since 1971.

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaystoGive/AnnualFund/facultystaff.asp>



Hearst Foundation awards grant to Communications

The College of Communications has been awarded a \$200,000 grant to establish the William Randolph Hearst Endowment for Visiting Professionals.

The endowment will enable the college to attract nationally prominent working media professionals to campus for short visits. Visitors who participate in the program will lecture to classes, meet with student organizations, critique student work, conduct mock job interviews and have informal sessions with faculty members.

Penn State placed eighth nationally in the 2000-2001 William Randolph Hearst Foundation's Journalism Awards Program,

With more than 3,000 undergraduates, the College of Communications is the largest program accredited by the Accrediting Council on Education in Journalism and Mass Communications.

which is often called "the Pulitzer of college journalism."

With more than 3,000 undergraduates, the College of Communications is the largest program accredited by the Accrediting Council on Education in Journalism and Mass Communications.

A 1997 survey of the administrators of the nation's 108 accredited journalism-communication schools found that professional-in-residence programs were listed among the reasons relationships between media outlets and communication programs have become stronger. The Hearst Foundation Endowment for Visiting Professionals was given as a primary example of such programs.

PENN STATERS

Ingrid M. Blood, associate vice provost and associate dean for undergraduate education, was recognized as Outstanding First-Year Student Advocate by the University of South Carolina's National Resource Center for The First-Year Experience and Students in Transition and Houghton Mifflin Publishing Co. She was honored at the recent Conference on The First Year Experience in Houston.

Robert Ginsberg, professor of philosophy and comparative literature at Penn State Delaware County, presented a paper at the University of Cambridge, England, at the 11th International Congress of Neo-Latin Studies. Ginsberg reported on his research involving the humanistic philosophy, educational theory, legal thinking and rhetorical practice of Giambattista Vico, the Italian philosopher of the 18th century.

Alireza Haghighat, professor of nuclear engineering, was named an honorary lecturer by the Korea Advanced Institute of Science and Technology in Taejeon, South Korea. He presented four lectures on particle transport deterministic Discrete Ordinates and statistical Monte Carlo methods. Haghighat also presented a short course titled "Neutron and Radiation Transport Simulation: Theory and Applications," which featured the application of the PENETRAN and A3MCNP computer programs developed by Haghighat's group.

Jean B. Hill, interior design coordinator, placed third in the "New Construction" category at the annual conference of the Association of University Interior Designers held at Iowa State University in Ames, Iowa. Hill's submitted project was Guest Apartment No. 109, The Woods Residence Halls of Berks Campus in Reading.

Spencer C. Niles, associate professor of education, received the Noted Scholar Award from the University of British Columbia. He will be presented with the award this summer and at that time will give a speech to the faculty.

Richard Pencek, recently retired from the departments of Kinesiology and American Studies, has been selected by Preservation Pennsylvania to receive the 2001 Pennsylvania Historical Preservation Initiative Award. Nominated by the Centre County Historical Society, Pencek will be recognized May 24 in Harrisburg.

Donna Queeney, affiliate associate professor of education, received the University Continuing Education Association's 2001 "Research and Scholarship Award." The association is a national organization for outreach, extension and continuing education.



Focus on Research

'Talking' helps computer programs develop better hunting strategies

By BARBARA HALE
Public Information

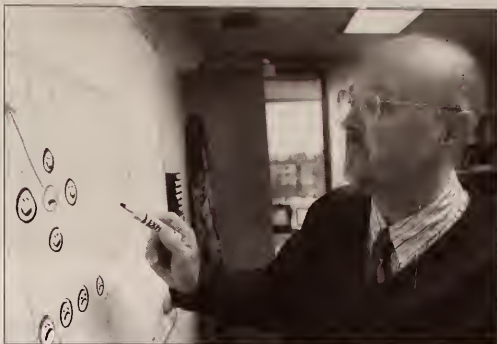
An NEC Institute/University study shows that computer programs, known as autonomous agents, not only can evolve their own language and talk with one another, but also can use communication to improve their performance in solving the classic predator-prey problem.

Like kids playing hide and seek, the autonomous agents used in the study hunted for and found their prey faster and more efficiently if they communicated with one another. "Talking," via a message board, enabled the agents to perform better than in all previous predator-prey studies — better even than when they had been programmed with a hunting strategy by humans.

C. Lee Giles, the David Reese professor of information sciences and technology and co-author of the study, said, "The findings have a number of possible applications, for example, smart Web crawlers that communicate with one another as they scour the Web automatically retrieving information. One can also imagine military applications or intelligent robots that explore other planets or the sea bed in groups while talking to one another."

The research was performed when Giles and co-author Kam-Chuen Jim were both at NEC Research Institute Inc. Jim is currently at Physiome Sciences Inc. Giles joined the University's new School of Information Sciences and Technology in fall 2000.

In the study, four predator agents inhabiting a virtual, four-sided, two-dimensional grid world, were set in pursuit of a fifth agent who served as the prey. The agents all moved simultaneously, at the same speed in north, south, east or west directions. No diagonal shortcuts were permitted. The predators could not see each other and did not know each other's location.



Lee Giles, a professor in the School of Information Science and Technology, demonstrates a computer hunting program that allowed various agents within the program to develop a language and "talk" with one another.

Photo: Greg Grano

The researchers write that this scenario is probably more difficult for the predators than any considered in previous studies of the predator-prey problem.

The predator agents' goal was to capture the prey by surrounding it on all four sides. Each of the predator agents could "speak" a short string of zeros and ones, the binary alphabet, simultaneously. The communicated strings of symbols were placed on a message board. Each agent could then read all the strings communicated by all the predators in order to determine the next move and what to say next.

The researchers explain that the agents created their own vocabulary, the strings of zeros and ones, in a random manner.

Self-organization into meaningful "language" occurred because the agents are coupled in the sense that they must con-

form to a common vocabulary in order to cooperate through communication. Since the predators cannot see each other and do not know each other's location, the predators have to evolve a language that can represent such information.

The researchers found that as the size of the language increased, the performance of the predators improved. Using this observation, the researchers developed a method for incrementally increasing the language size that results in a coarse-to-fine search that significantly reduces the time required to find a solution.

The researchers wrote that "Future work could focus on the semantics of the evolved languages."

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Parental influence key to how teen siblings behave

By VICKI FONG
Public Information

Parents of teen siblings exert a greater influence than previously believed on the relationship between two youths and the amount of fighting between them, says a new study.

"One theory about why parents respond in the ways they do to sibling conflict holds that parents react to their children's personality styles," said Susan McHale, professor of human development and family studies and one of the study's researchers. "We found no evidence to support this theory."

The researchers studied 185 white-American, working and middle-class families with first-born youths averaging age 15 and the second-born averaging age 13.5. The team examined two forms of parents' direct involvement in their teen children's sibling relationships: the amount of time parents spent together with their two children and the ways in which parents intervened in the sibling conflicts.

McHale, Kimberly Updegraff of Arizona State University, Corinna Tucker, the University of New Hampshire, and Ann Crouter, University professor of human development and family studies all worked on the project.

Past research says that teenagers grow more detached from family members and are more oriented to peers and popular culture, but this study finds that the time parents spend with their teens matters: The best predictor of a warm sibling relationship that was low in conflict was the amount of time mothers and fathers spent in the company of their two teen children.

The study also found that parents who see autonomy as more important — for example in their workplace experiences — were less likely to be harsh and punitive when responding to sibling conflict, and their children fought less often.

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Declining mental skills can catch you off guard

By BARBARA HALE
Public Information

As if having recognizable absent-minded moments isn't bad enough, now University researchers say that we may lose some basic mental skills and not realize it.

In a study of 15 normal, healthy aged men and women that is the first of its kind, the researchers found that the subjects were unable to accurately estimate their prowess at reading maps, remaining attentive and pantomiming tool use. The subjects were

accurate in estimating their memory and several other functions such as mood and vision. Dr. Anna Barrett, assistant professor of medicine and neurology in The College of Medicine and the study's principal investigator, said "The research shows that there were some areas where these normal, healthy people were unaware that their perception of their performance on some very basic mental skills didn't match their actual competence. In other words, they were unaware that they weren't performing at the level they thought they were.

"If people are unaware of their level of performance, they can't take countermeasures or seek assistance when these skills decline. Caregivers and partners need to be alert to the signs of mental loss or decline in completely normal individuals and be sensitive to the fact that the person suffering the loss may be completely unaware of it," she added.

Kerri A. Hansell, an undergraduate at Lebanon Valley College, served as a research assistant on the project. Dr. Paul J. Eslinger, professor of medicine and neurology,

Dr. J. Kenneth Brubaker, neurologist at the Masonic Home, Elizabethtown, and Dr. Kenneth M. Heilman, professor of neurology, University of Florida, College of Medicine, were the co-researchers.

Although the test sample was small, Barrett says that the results are statistically significant. The researchers are now conducting the same tests with subjects who are victims of Alzheimer's disease.

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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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Special visitor



The "spirit of Evan Pugh," the first president of Penn State, made an appearance (courtesy of Pugh impersonator Jerome Pasto) at the Hintz Family Alumni Center Dedication on April 21. The opening of the Hintz Family Alumni Center on the University Park campus marks the first time that alumni have an official residence on campus. For more information, check the Web at http://www.psu.edu/ur/archives/intercom_2001/April19/hintz.html. In addition, A live Webcast of the dedication will be viewable at http://www.alumni.psu.edu/alumni_center/.

Photo: Annemarie Mountz

Fayette's oldest building getting a totally new look

Penn State Fayette's first building, named in honor of the Eberly family, has a new look — and the newest tools in education. The renovated building will serve as the new home for a state-of-the-art corporate training center, The Cub's Den child-care center, interactive teaching classrooms, office space and an art studio. It also will house labs for the administration of justice, engineering technology and IST programs, as well as three new student computer labs.

The demands of modern building codes, ADA compliance and state-of-the-art technologies and communications systems required a complete reconstruction of the interior of the building. The \$6 million renovation achieves maximum adaptive reuse of the building and will be completed on schedule by June 1.

The groundbreaking held May 6, 1967, announced the opening of the Penn State Fayette campus. Previously the college had been located in a few buildings in downtown Uniontown. In 1967, the purchase of approximately 200 acres of the Garner Farm gave Penn State Fayette more of a university campus atmosphere.

On July 14 1968, the campus' first classroom building was officially named the Eberly Building.

Through the support of The Eberly Foundation and others, the campus has grown to 1,150 students and 11 buildings, including the recently constructed \$6 million Biomedical Technology Center housing state-of-the-art physics, biology, chemistry, nursing and computer labs and lecture halls.

Each of the Eberly building's 13 classrooms will now have a unique look, all designed with faculty input, and incorporating the latest computer technology. Each room is furnished with a computer-equipped podium, featuring clocks, speakers and audio-visual hookups. Faculty and staff offices have been spaced in a way that entirely changes the interior perspective of the building, and it is likely that a student who took a class in Eberly before the renovation wouldn't recognize it now.

Aside from gleaming aesthetics — such as mahogany and glass columns and open frosted glass walls — no stone has been left unturned in making the building a technological benchmark for southwestern Pennsylvania. A total of 180 new computers grace the student computer lab, and 25 more fill the IST classroom. Fac-



Renovations to the Eberly Building on the Penn State Fayette campus will result in a new, state-of-the-art facility. The building is on track for completion by June 1.

ulty will have ability to conduct video teleconference demonstrations during class time.

Hundreds of miles of cable have been laid to support these systems, as well as those of the new ARL/AAC (Advanced Acoustic Concepts/Applied Research Laboratory) initiative that also will have an office in the building. This partnership among the U.S. Navy, Penn State University Park and Penn State Fayette has become the hub of an effort to create superior naval defense weapons.

The Eberly Corporate Training Center will provide a permanent home to the Melega Mural. Originally mounted in the National City Bank Building in downtown Uniontown, the mural has been completely restored and will be hung across from the center's wide-screen television monitors and speaker system, creating a blend of history and technology.

Renovation of the Eberly building would not have been possible without the generosity of the Eberly family, which continues to support the campus and its students in many ways.

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INFORMING THE PENN STATE COMMUNITY



MAY 10, 2001

Broad diversity plan put into place

By ANNEMARIE MOUNTZ
Public Information

University administrators and members of the student Black Caucus came together to endorse a broad diversity plan for the institution on May 2.

The agreement includes the key provisions of a plan the University announced April 26, but adds details about the new Africana Studies Research Center and changed some wording

University promises strict commencement security.....page 3

in the duties of the vice provost for educational equity.
"With these changes, students in the Black Caucus and their supporters felt that document was something they could endorse," said President Graham B. Spanier.

Agreement, page 3

Behind-the-scenes work polishes everything for graduates' big day

By GARY CRAMER
Public Information

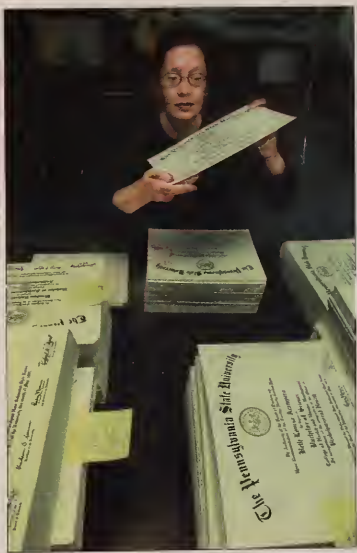
If, at some point during the University's upcoming commencement weekend at University Park, graduating students and their guests happen to notice how nice the campus looks — even its dumpsters — they should thank labor and equipment supervisor Al Matyasovsky and his Office of Physical Plant (OPP) repair crew.

Also, if the family photo taken by a table server at The Nittany Lion Inn during a congratulatory meal doesn't have a thumb in it, it's a testament to Mike Conti, associate general manager for Hospitality Services, and his staff. Plus, if the professionalism of their University diploma particularly impresses anyone, then Roberta Hardin in the Registrar's Office and Donna Von Gunden in Document Services have made new fans.

These are just a few examples of the flurry of behind-the-scenes work now being put in by hundreds of employees to prepare for commencement ceremonies at University Park on May 11-13. Taken together, the often-unheralded efforts of staff members in myriad departments are intended to make a once-in-a-lifetime experience all the more special for the main celebrants of the weekend. Call it the polishing of Penn State.

According to Lloyd Rhoades, manager of central services at OPP, it takes a task force to coordinate the many spring cleanup chores to be completed by early May. A detailed assignment list keeps OPP crews like Matyasovsky's on target for painting peeling dumpsters, patching potholes, repairing curbs, seeding bare patches and planting perennials — all among the nearly 110 tasks on the list.

"It's always an adventure," Rhoades reports. "We've had years where we got off to a good start, then it got really



Donna Von Gunden, group leader for the composition department in Document Services, hand-inspects all diplomas before turning them over to the Registrar's Office.
Photo: Greg Grieco

Journalism student garners recognition on national level

By KATE ROBINSON
College of Communications

Journalism senior Ryan Hockensmith became the first Penn State student in 32 years to qualify for the individual championships of the William Randolph Hearst Foundation's Journalism Awards Program, a competition often called "the Pulitzer of college journalism."

Hockensmith will receive an all-expenses-paid trip to San Francisco in early June to compete against seven other Hearst finalists from universities across the country in on-the-scene writing assignments.

Hockensmith's two top-10 finishes in the 41st annual competition earned him a spot in the individual championships.

He won second place in features for a first-person account of his battle with meningitis and fifth place in profiles for a piece on assistant football coach Jay Paterno, son of head coach Joe Paterno.

Paul Levine and Bill Epstein, alumni of the journalism program, were the last Penn State students to qualify for the individual championships.

Student, page 2

Governor visits Hershey to promote life science commercial development

By BARBARA HALE
Public Information

Pennsylvania Gov. Tom Ridge visited the College of Medicine at The Hershey Medical Center April 25 to promote his \$90 million Life-Science Greenhouse initiative and to tour two heart research projects that illustrate the potential human and commercial benefits offered by investment in health-related technology.

President Graham B. Spanier greeted Ridge, along with Dr. Darrell Kirch, dean of the College of Medicine, senior vice president for health affairs and chief executive officer of The Milton S. Hershey Medical Center; and Eva J. Pell, vice president for research and dean of The Graduate School. The College of Medicine was the last stop on the governor's sweep across the state to launch the Greenhouse Initiative.

Over the next 25 years, Pennsylvania could receive approximately \$11 billion under a legal settlement with the nation's major tobacco producers.

Visit, page 3

Student

Continued from page 1

They qualified in 1999. The Hearst program is conducted under the auspices of accredited schools of the Association of Schools of Journalism and Mass Communication and is funded by the Hearst Foundation. Students from the country's 105 accredited undergraduate programs are eligible to enter the intercollegiate writing competition, which consists of six monthly contests: features, editorials, in-depth, sports, profiles and spot-news.

The intercollegiate broadcast news competition, also open to students from the country's accredited programs, consists of two monthly contests in radio and television: one in features and one in news.

"I love sports and I love competing, so I immediately was excited about the contest," said Hockensmith. "I had my primary goals of educating the public about meningitis and telling a good story, but I'll admit, in the back of mind, I was hoping my story would be good enough to enter."

Hockensmith's first-person story details each gruesome step of his battle with meningococcal meningitis, from contracting the disease last October to the lasting effects he feels today. He said he wrote the story to educate students at Penn State.

"If every college student could have seen what my feet looked like or had to spend a few weeks in an intensive care wing of a hospital, I don't think there would be many complaints about a little needle pricking their shoulder with a vaccination."

His story had a lasting effect on the University community; students flocked to get the vaccination.

While many memories returned as Hockensmith wrote the article, he said writing the story was therapeutic.

"As absurd as this sounds, I think it was the best thing that ever happened to me," he said, noting that a million positive things can come out of one negative thing.

Ryan's mother, Christie Berger, was astounded by the College of Communications' reaction. Her son received countless e-mails, cards and even a sports reporting book from Douglas Anderson, dean of the college.

"(Many members of the faculty) expressed their confidence in Ryan's talent, looking past the disease that left him in a wheelchair for six months and at home healing," she said. "This confidence kept him 'in the game' and in the frame of mind to return in September."

Upon his return, Ryan received many gifts and flowers, a football helmet signed by the 1999 football team and phone calls from President Graham B. Spanier and Joe Paterno.

"I can't believe what a phenomenal community Penn State really is," he said.

Hockensmith's real love for writing lies in sports journalism. He has known he wanted to be a sports reporter since he was 12 years old, but being affected by the disease solidified his goals.

"I went from being very sure I wanted to be a sports journalist to being completely certain," he said. Hockensmith will graduate this summer with a



Ryan Hockensmith has endured many struggles following his illness, but never let those obstacles keep him from achieving his goals.

Photo courtesy Dan Seelinger/The Collegian

College of Communications achieves top-10 finish in national Hearst journalism awards program

The College of Communications claimed eighth place in the intercollegiate writing championships, a tie for 12th place in the intercollegiate broadcast news championships and ninth place in the combined writing-broadcasting standings in the 41st annual William Randolph Hearst Foundation Journalism Awards Program. The combined finishes were the best in the college's history.

Three students earned four individual top-10 awards: Ryan Hockensmith finished second in features and eighth in profiles; Daryl Lang finished fourth in spot news; and Jon Allison finished sixth in sportswriting.

Three students earned individual top-20 awards in radio: Michelle Macklem finished 14th in radio news and Jessica Hurd finished 18th; Tim Dougherty finished 19th in radio features. Although he did not finish in the top 20, Tom Cooper earned points in the television feature category.

Students from the country's 105 accredited undergraduate programs are eligible to enter the Hearst competition, which annually makes awards totaling \$400,000 in scholarships, matching grants and stipends.

In the intercollegiate writing competition, Hockensmith won a \$1,500 scholarship for his feature story and a \$500 scholarship for his profile. Lang won a \$750 scholarship for his story about the rioting that took place in State College after the Nittany Lion basketball team lost to Temple in the NCAA tournament. Allison won a \$500 scholarship for his sports story on the impact of walk-on players at Division I football programs.

bachelor of arts degree in journalism and a minor in American studies. To read his first-person story, visit The Daily Collegian archives at <http://www.collegian.psu.edu/>.

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Big day

Continued from page 1

rainy and delayed us. Sometimes, our landscapers have just fixed up an area, and then something happens that makes us rip it up all over again. The important thing for hitting the commencement goal is that we formalized the process so that every crew knows what the other crews are doing and nothing falls between the cracks."

Communication between the different functional areas of Hospitality Services also is a priority, as room reservations are maxed out and menus are being finalized at The Nittany Lion Inn and The Penn State Conference Center Hotel. Conti, who oversees the gustatory-related operations, notes that for this Friday alone, the inn has nearly 700 reservations for dinner and The Penn State nearly 350, not including various banquets. Then on Saturday, close to 2,500 people at the inn and 1,000 at The Penn State will partake in what amounts to a daylong buffet. Serving so many patrons calls for the use of "elegant comfort foods" that appeal to a broad range of tastes.

"One of the key elements for us to recognize as hospitality specialists is that commencement is really an important, highly emotional event for graduates and their families," Conti adds. "The thing I remember from these weekends is that at the end of the day I'm drained physically, but also emotionally because I see how sad people are about leaving Penn State and it tugs at the heartstrings. If we can be a little piece of the experience for these people, that makes it special."

For the wait staff, helping diners have a memorable time often means capturing Kodak moments for them with a bewildering variety of cameras. In preparation for the challenge, Conti makes sure they get a training session on good picture-taking techniques. He also helps parties find quieter settings to eat in when the fame of someone else in the group threatens to take the spotlight off the actual graduate being feted — for instance when Los Angeles Lakers coach Phil Jackson attended his daughter's ceremony here last year.

Long after graduates forget what they ate and what was flowing the day they picked up their diploma, the diploma itself will remind them of the event. Making it look perfect is a tag-team effort. Hardin, graduation coordinator for the Registrar's Office, combs through vast electronic files collecting the names, degrees and honors information on students who are expected to graduate and sends it to Von Gunden, group leader for the composition department in Document Services. Von Gunden oversees the printing process, then sends the diplomas back to the Registrar's Office for final visual inspection.

This semester, about 8,500 diplomas are needed, and while much of the work is already done, late-breaking changes could keep staff devoting time to it throughout this week. Of special concern is making sure graduates' names are not only spelled correctly, but look right in the unique "Diploma" font designed by Jim Lukens-Gable, art editor for Document Services.

"I'm checking them all the time, because with the font we use, some letters don't look right next to each other," Von Gunden says. "Plus, the names with 'Mc' or 'Mac' or 'del' in them get special treatment, and names with accents or initials without periods can be tricky. We will redo them if a graduate is unhappy, and hardly a week goes by without someone from a past class calling to get a new copy of their diploma because of loss or damage."

Speaking of damage, the greatest challenge to meeting the deadline for diploma delivery on Von Gunden's watch was mechanical in nature, rather than managerial. As she explains, the ink on the diplomas used to be a thicker, raised or textured variety than that used now, and required a layer of fiber to bind it to the paper. One year, too much fiber was applied to allow proper printing, forcing Document Services crews to scrape the residue from each diploma with a razor blade before it would go through the press.

Other behind-the-scenes workers are even now cleaning and decorating the various commencement venues; arranging special parking opportunities for visitors with disabilities; preparing housing and food services for graduating students remaining on campus between finals and commencement; and for some of their family members who will spend a night in a residence hall; and doing much more to send graduates into the world beyond Happy Valley with happy memories.

Gary Cramer can be reached at guc104@psu.edu.

Visit

Continued from page 1

The Life Science Greenhouse initiative would use \$90 million in surplus tobacco-settlement funds to create "greenhouses" or commercial incubators in the east, west and central parts of the state. The incubators will team inventors at research institutions, including Penn State, with private investors.

Should the governor's plan become law, The Life Science Greenhouse of Central Pennsylvania will be developed in the Capitol region, near the College of Medicine and The Milton S. Eisenhower Medical Center. The University hopes that funds provided by the Tobacco Settlement Life Sciences Greenhouse Initiative will be used to construct the incubator.

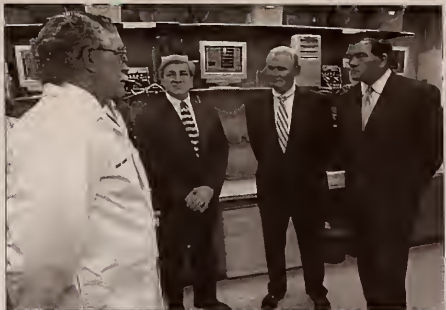
Since the Life Science Greenhouse of Central Pennsylvania will be an organization that commercializes health-related research conducted on the University Park campus as well as at the College of Medicine, incubator services in State College also will be necessary. An existing incubator, called Zetachron, operated by Penn State, will be available to serve Centre County.

In addition, the University hopes to see the establishment of a Fund for Technology in Central Pennsylvania that combines Tobacco Settlement Funds with support from investors. This fund would be used to stimulate technology development in the health arena.

"The research conducted at Penn State and by other partners in Central Pennsylvania interested in this initiative will lead to the potential for spinout companies that contribute to economic growth in Central Pennsylvania," said Pell.

"The most exciting aspect of this initiative is the way in which it will speed our ability to move discoveries from the laboratory bench at Penn State to the bedside of patients at The Hershey Medical Center, throughout Pennsylvania, and beyond," Kirch said. "It's a win-win situation that will improve both the economy and the health of our state."

During his visit to the College of Medicine, Ridge toured the artificial organs laboratories where the heart assist device known as the Arrow LionHeart was developed. He also spoke with Dr. Mark Kester, associate professor of pharmacology, who has developed a procedure that prevents re-development of blockages in arteries after angioplasty. Dr. William Pierce, Evan Pugh professor emeritus of surgery; Dr. Gerson Rosenberg, professor of surgery and bioengineering and chief of the Division of Artificial Organs; and their team in the College of Medicine, together with mechanical engineers and bioengineers at University



Gov. Tom Ridge, right; Ted Junker, former chair of the board of trustees; and President Graham B. Spanier chat with Gus Rosenberg, professor in the Department of Surgery at The Hershey Medical Center. They were there to promote a \$90 million initiative and tour two heart research projects.

Park, developed the Arrow LionHeart in conjunction with Arrow International Inc. of Reading. The device was first implanted in a patient in Germany in October 1999 and in an American patient at The Hershey Medical Center this past February.

Kester and his colleagues developed a procedure that virtually eliminates new tissue growth after angioplasty procedures. The team found that coating the balloon angioplasty catheters with ceramide reduces the risk of subsequent blockages by greater than 90 percent in animal studies. More than 300,000 angioplasty procedures are performed in the U.S. every year but in almost 40 percent of those cases tissue grows back in the blood vessel and additional blockages develop — all because of the trauma associated with inserting the angioplasty catheter itself.

Pell noted that health-related research also is being commercialized at University Park. She pointed to Chiral Quest LLC, a company based on technologies developed by Xumu Zhang, professor of chemistry at University Park. Zhang has developed catalysts capable of "locking" drug molecules into the most preferred and therapeutic configuration. In drug synthesis, while the product may be pure, it still may contain a mixture of molecules with different configurations. Often, only one configuration will be an effective medicine and, in some worst case scenarios, other configurations may be toxic. Zhang's catalysts ensure that the molecules will have the desired configuration. The University licensed eight of Zhang's catalyst families to Chiral Quest, a start-up company organized by Technology Assessment and Development Inc., a State College company. Development of the technologies will continue in Chiral Quest's laboratory in the Zetachron commercial incubator building.

Barbara Hale can be reached at bah@psu.edu

LionHeart patient continues to show progress

The first patient implanted with the Arrow LionHeart in the United States remains in serious condition at The Milton S. Eisenhower Medical Center.

"Mr. LionHeart" as he's fondly referred to, is showing steady progress two months after his sur-

gery. According to Dr. Walter Pae, lead surgeon for the LionHeart team, his progress with the implant is excellent. The Arrow LionHeart is doing everything it is supposed to do. His challenges have been with other medical problems, not due to the implant.

With the arrival of nice weather, Mr. LionHeart has been taking daily jaunts outside and has begun a rigorous physical therapy regimen.

For updates, check the Web at <http://www.hmc.psu.edu/lionheart/downloads/index.htm>.

Agreement

Continued from page 1

A number of Penn State students have received racist and threatening letters over the past two years, including racist e-mail that was traced to a computer lab in Philadelphia. These incidents, now under investigation by the FBI and other law enforcement agencies, have led to calls by students for more attention to such threats.

The University, and its alumni association, are offering a \$25,000 reward for information that leads to the arrest and conviction of the person responsible for the threats.

The complete diversity plan can be found on the Web at <http://www.psu.edu/ur/2001/diversityplan.html>. Highlights include:

- the establishment of an African Studies Research Center, effective with the 2001-02 academic year, at a base funding level consistent with other research centers at the University. Specific research projects and proposals will be determined by participating faculty and students will be involved in these projects. The center will involve faculty from across the University and will be administratively affiliated with the College of the Liberal Arts.

- bringing the number of full-time, tenured and tenure-track faculty in the African-American Studies Department to 10 by fall 2003.

- providing the African-American Studies Department autonomous space and staff.

- support for the creation of five scholarships at \$5,000 each (\$25,000 total per year). Scholarships will be awarded to students who are dual majors in AAAS and another major. Priority will be given to students with dual majors in AAAS and education. All recipients will be required to serve disadvantaged areas of the Common-

wealth for a period of three years after graduation.

- a recommendation from the University administration to the Faculty Senate that the current diversity requirement be strengthened by focusing more clearly on diversity issues of greater relevance. The administration has a commitment from the new chair of the Faculty Senate to put this matter officially before the Senate's Curricular Affairs Committee during fall semester 2001, and immediately initiate discussions about changes.

- reaffirmation of the University's existing plans to require each budgetary unit to submit a progress report on the *Framework to Foster Diversity at Penn State: 1998-2003* by Dec. 15. This report, which is separate from the strategic plan, commits the units to creating and implementing a specific plan to foster diversity, and is a public document.

- use of the University's Academic Leadership Forum to address topics designed to educate deans, department/division heads and others to racial and multicultural issues. Deans and department heads, in consultation with the Office of Educational Equity, will be responsible for diversity education programs in their units.

- restructuring of the vice provost for educational equity position.

- an enhanced mandate for the Commission on Racial and Ethnic Diversity to review and advise on diversity programs. The commission, which consists of faculty, staff and students, meet with and makes recommendations to the president during the year.

For updates, check the Web at <http://www.psu.edu/>.

Annenmarie Mountz can be reached at AMountz@psu.edu.

University promises strict commencement security

In response to recent incidents, Penn State police have announced that strict security measures will be in place for all commencement ceremonies at University Park. Commencement ceremonies take place on Friday, May 11, Saturday, May 12, and Sunday, May 13.

Among the security measures in force will be metal detectors at the entrances to both Eisenhower Auditorium and The Bryce Jordan Center. Since passing through the

metal detectors can slow the flow of people into the buildings, University officials are asking people to arrive at least 30-60 minutes before the scheduled start of the ceremony and to be patient while gaining access to the buildings.

So that they would not compromise security measures, police declined to outline all the other actions being taken, but have offered assurances that all steps are being taken to ensure a safe commencement ceremony.



Lectures

Libraries offer a patent and trademark seminar

A patent and trademark seminar will be held from 8:30 a.m. to 4:30 p.m. Tuesday, May 22, in the Foster Auditorium, 101 Pattee Library on the University Park campus.

This free training session, which is open to the public, will feature information specialists from the U.S. Patent and Trademark Office and practitioners in the field. The William and Joan Schreyer Business Library is host for the event. The library is a federal patent and trademark depository that offers print and electronic resources for general patent and trademark searches in many areas, including electrical, chemical, mechanical and computer technologies; biotechnology; and business and industrial processes.

The seminar will focus on beginning to

intermediate research approaches for independent inventors; entrepreneurs; owners of small businesses; and faculty and students in science and technology, business and technology transfer.

The event is sponsored by the Business Library, Penn State University Libraries; Penn State Small Business Development Center; Ben Franklin Transformation Business Services Network; and the Service Corps of Retired Executives. Although there is no charge to attend this daylong seminar, registration is required. To register, call (814) 865-6369.

For more information, check the Web at <http://www.libraries.psu.edu/crsweb/business/seminar.htm/>.

CEO of Software Engineering Institute to speak

Stephen E. Cross, director and chief executive officer of Carnegie Mellon's Software Engineering Institute, will be the guest speaker at 7 p.m. May 21 in the Frable Conference Center at Penn State McKeesport.

The program is free to the public.

The presentation is being held in conjunction with the campus Information Technology Advisory Committee's spring meeting. Cross will discuss Carnegie Mellon's SEI and the Technology Insertion, Demonstration and Evaluation (TIDE) pro-

gram. TIDE demonstrates the cost savings and efficiency benefits of applying commercially available software and information technology to small to mid-size manufacturing firms and to small businesses relying on information technology that supply goods and services important to the national defense.

The SEI is a federally funded research and development center.

For information, call Penn State McKeesport Academic Affairs at (412) 675-9052.

Lecture focuses on Appreciative Inquiry theory

Georgia Abbey, consultant and executive director of Leadership Center County, will lead a discussion titled "Introduction Appreciative Inquiry," during a meeting of the Quality Advocates Network from 8:30 to 10 a.m. Thursday, May 17, in 404 Old Main, University Park.

Appreciative Inquiry is both a philosophy and a method, with roots in psychology, speech communication and organizational behavior. During the meeting, theory and practice will be briefly explored and

participants will discuss potential applications for Appreciative Inquiry at the University.

Quality Advocates Network meetings are open to any member of the University community with an interest in learning about tools for organizational change. RSVP by calling (814) 863-8721 or e-mail psucqp@psu.edu by Tuesday, May 15.

For information on Appreciative Inquiry, go to <http://www.pegasus.com/ai/overview.html>.

NEW AT PENN STATE

Collaboration produces new master's program

A partnership between two Penn State campuses will enable teachers to earn a master's degree close to home while taking courses designed to meet the demands of area classrooms.

For the first time, Penn State DuBois is collaborating with Penn State Harrisburg to offer a master of education degree in teaching and curriculum for kindergarten through 12th-grade educators.

Classes begin this summer and will be held in DuBois and St. Marys.

The 36-credit program includes 18 credits of elective courses designed specifically to meet the professional development needs of area teachers. An advisory team of local educators will help decide what electives to offer.

Elective courses will be offered in the traditional face-to-face format. Core courses will be taught through Internet-mediated distance learning, which combines face-to-face delivery with interactive discussion groups, audio/visual and Power Point presentations, as well as real-time chat via the Internet.

The program is set up so students take six credits per summer and three credits per fall and spring semesters to complete their degree in spring 2004.

For information, call Diana Ricotta at (814) 375-4715 or (800) 346-ROAR or The Community Education Council in St. Marys at (814) 834-3593.

Major changes coming to Penn College North Campus

Pennsylvania College of Technology President Davie Jane Gilmour has announced that the college is suspending regular credit programming at the North Campus at the end of the current semester, due to declining enrollments. All other operations at the campus, near Wellsboro, will be continued.

"We strongly value and intend to maintain our important work force development partnerships in the Northern Tier," Gilmour stated. "Penn College's work with area business and industry, our community involvement and our partnerships with other educational institutions in the region will continue from our local 'home base' at the North Campus."

State Sen. Roger A. Madigan, who serves the local district and is a member of the college board of directors, announced his support for the college's new direction for the North Campus.

"This is good news for the people of the Northern Tier. We are fortunate to have continuing access to the resources of the state's premier technical college — especially in the area of work force development. Penn College will be here to help area employers and employees succeed. That is what is most important for the future of our region."

With enrollment in North Campus credit classes declining steadily in recent years, there has been reported speculation regarding the future of the campus, which is located in the former Charleston Elementary School on state Route 6 near Wellsboro. Gilmour offered assurance that the campus is not closing.

"We believe adjusting our services will allow us to continue to serve the most significant needs of the local community without placing an unreasonable financial demand on the institution's budget and without duplicating programs and services that may be offered at other institutions in the region," she said.

She explained that when the North Campus opened in 1982, it was the sole provider of associate degree programming in the local region. Since that time, Mansfield University expanded its programming to include both associate and bachelor degrees.

"In a sparsely populated, rural area like the Northern Tier, it is not uncommon to reach a point of saturation, where the majority of people interested in a particular program or service have completed their participation and the market simply declines," she said. "Rather than spend our energies competing for credit program enrollment, we intend to target our efforts toward training and retraining the work

force and offering personal enrichment and continuing education opportunities through our noncredit programming."

Noncredit program offerings at the North Campus range from short-term classes, seminars and workshops to customized business and industry training programs that serve the specific needs of area employers. In the past year, the North Campus has seen a 50-percent increase in the number of noncredit course offerings and a 75-percent increase in these enrollments over the same period. Approximately 200 people have enrolled in noncredit programs so far this year.

In credit courses, enrollment has declined substantially in recent years. Only

78 individuals enrolled in credit courses last fall; as virtually all attend classes on a part-time basis, the total enrollment actually reached an equivalent of only 38 full-time students. The "high-water mark" for North Campus credit enrollment was in 1992, when 227 full-time-equivalent students were enrolled.

Gilmour did not rule out future reconsideration or reinstating of credit programming, should the demand for courses warrant it.

"Penn College is in the Northern Tier because we were invited to come here. We came here to serve the people of this community and we intend to continue to do that in a manner that is both responsive to real needs and financially reasonable."

Penn College has been reviewing operations at the North Campus since 1997. Gilmour said the review, which included a community and employer needs assessment as well as a survey of community leaders, was "an attempt to determine if operating vitality existed and if it did, to use it to spark activity at the North Campus."

The suspension of credit programming at the North Campus will result in the elimination of two full-time and two part-time support staff positions at the close of the semester, leaving a total of four staff members at the site. The president said the staff members impacted have been notified and are being assisted by human resources. Wherever possible, positions available on the main campus will be offered to those displaced by these changes.

Students currently enrolled in credit courses at the North Campus have the opportunity to continue their education on the main campus of Penn College, which is located approximately 50 miles south of the North Campus. They are being counseled by college staff regarding their options for the future. Many of the students now take courses at both campuses.

"Penn College is in the Northern Tier because we were invited to come here. We came here to serve the people of this community and we intend to continue to do that in a manner that is both responsive to real needs and financially reasonable."

*Davie Jane Gilmour
president, Penn College*



News in Brief

Weekend hours

The Hintz Family Alumni Center will be open on the following days to accommodate the increased number of alumni, visitors and parents who will be on campus:

- Friday, May 11: 8 a.m. to 8 p.m.
- Saturday, May 12: 10 a.m. to 7 p.m.
- Sunday, May 13: 10 a.m. to 2 p.m.

Alumni Swirl ice cream will be served at the center during commencement weekend. Staff will be on hand to answer questions.

To find out about future hours of operation, go to the Alumni Association Web site at http://www.alumni.psu.edu/about_us/center/.

Sports is topic of Spanier radio/TV call-in

America's obsession with sports will be the topic of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly call-in show airing at 7 p.m. Tuesday, May 15, on WPSU-FM (91.5, 106.7, 95.1, 90.1, 100.9 and 104.7) and simultaneously on WPSX-TV.

Joining Spanier to discuss society's emotional investment in its high school, collegiate and professional teams will be L. Budd Thalman, associate athletic director for communications, and Steve Jones, the voice of Nittany Lion football and basketball.

Listeners and viewers with questions or comments are encouraged to join the discussion by calling (800) 543-8242 during the one-hour simulcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ur/tech/tech.html>; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of local and national interest and to allow listeners and viewers a chance to communicate directly with Penn State's president.

Science workshops for teachers

Workshops for science teachers in astrophysics, astronomy, biotechnology and physics will be held this summer at University Park.

The workshops feature presentations and discussions by senior University faculty, leading researchers and educators, lab work, field trips and classroom strategies. The deadline is extended until all spaces are filled.

The scheduled workshops are:

- June 18-22: "Astrophysics: The Origin and Early Evolution of Life";



Lifeguard Michael Reed, a junior majoring in engineering, surveys the pool in White Building on the University Park campus. The pool usually offers morning and evening swims to faculty and staff, but will be closed through June 2 in order to install new steam lines. For information and updates on the facility, call (814) 865-3488.

Photo: Greg Grieco

- June 25-29: "The Mechanics of Materials: Advanced Technologies and Fundamental Science";

- July 9-13: "Biotechnology: From Laboratory to Classroom (An Action Potential Program)";

- July 9-13: "Stars and Planets for Science Teachers"; and

- July 16-20: "Galaxies and Cosmology for Science Teachers."

Descriptions, financial aid information and a downloadable application are available at <http://www.outreach.psu.edu/C&I/Science4Teachers/>. For information, call Geraldine Russell, Pennsylvania Space Grant Consortium, at (814) 863-5957 or e-mail gsr1@psu.edu.

Volunteers sought

The food lab needs people ages 20-45 to participate in a study of food-related behavior beginning the week of May 14.

The study consists of eating an afternoon snack and dinner in Henderson Building one day a week for four weeks.

Participants will be paid. For information, call Angie Sabol at (814) 863-8482.

Programs for children

The Work/Life Programs Office has compiled a list of Summer Guide to Programs and Camps for School-Age Children in the State College area.

This guide has information about activities from art and crafts camps, to science and reading camps. For information, contact the Work/Life Programs Office at (814) 865-5886 or check the Web at <http://www.ohr.psu.edu/worklife/childcare.html> and click on "summer program."

Vanpool organizing

Riders from the Philipsburg, Clearfield, Morrisdale, Houtzdale and surrounding areas are being sought to join a new, 8 a.m. to 5 p.m. University vanpool.

The van will travel Monday through Friday from Philipsburg to the University with a guaranteed ride every day.

For information, call Paula at (814) 865-1775 or e-mail ply2@psu.edu.

Web 2001 Conference

A conference for Web developers will be held Tuesday, June 26, at The Penn State Conference Center Hotel on the University Park campus.

This annual, one-day conference will bring Web developers together to share and learn about innovative uses of the Web, applications for Web development, works in progress, security issues and more. It has applications for managers, writers, editors, designers, programmers and server administrators for University office, department, college and campus Web sites. Although the Web 2001 Conference is intended for all skill levels, most presentations assume basic knowledge of Web publishing or server administration.

Registration is required and costs \$60 per individual. See <http://cac.psu.edu/web2001/> for information and registration.

Going Away for the Summer?

Stay in touch with Penn State through the **Employee Newswire**.

It's easy. Just go to the Web at <http://www.psu.edu/> and click on the link under Announcements to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



Arts & Entertainment

Ovarian cancer in spotlight

Pennsylvania Centre Stage is collaborating with the American Cancer Society and National Ovarian Cancer Coalition to raise awareness of ovarian cancer at the upcoming production of "Wit," the tale of one woman's struggle with the disease.

Audiences will find information on ovarian cancer in displays outside the theater and in the program for the play, to be performed May 11-19 at the Playhouse on the University Park campus. Curtain times are 7:30 p.m. Monday through Thursday and 8 p.m. Fridays and Saturdays.

A 1999 Pulitzer Prize winner, "Wit" follows renowned English professor and poetry scholar Vivian Bearing's journey after learning she has terminal ovarian cancer. Jane Ridley, associate professor in the School of Theatre, will play the role of Bearing.

For tickets, call (814) 863-0255 or (800) ARTS-TIX. For information, go online to <http://www.pacentrestage.psu.edu>.

Summer art program

The Center for Arts and Crafts at University Park is taking registrations for its summer art programs.

Adult noncredit art classes begin the week of May 14. These include wheel-thrown pottery, drawing, stained glass, yoga, illustration and cartooning, and more.

Summer Art Camps for Kids (age 5-teen) begin on June 18 and are broken up into four, two-week sessions throughout the summer ending on Aug. 17.

Brochures are available at the HUB-Robeson Center information desk, 207 HUB-Robeson. For information, call (814) 863-0611. To register, call Continuing Education at (814) 863-0685.

New art exhibits

The following exhibits are on display at the HUB-Robeson Center on the University Park campus.

■ "Sightseeing: A Space Panorama," photographs from NASA space missions, will be on display through Aug. 21 in Art Alley. Included in the exhibit are images taken during the Gemini program when astronaut Ed White walked in space for the first time and during the Apollo program when astronauts Neil Armstrong and Buzz Aldrin first walked on the moon. The Department of Astronomy and Astrophysics also will display several exhibition pieces and images that represent a snapshot of its space-related research.

■ "Three Award Winning Medallists," an exhibit by three women, will be on display through Sept. 16 in the wooden cases next to the HUB Gallery. Jeanne Stevens-Sollman, a 1972 University graduate with a master of fine arts, will exhibit medals with Leanda Finke and Karen Worth. All three have received The J. Sanford Saltus Award for Signal Achievement in the Art of the Medal.



Charlie Tucker and Jane Ridley play Dr. Posner and Posner's mentor Vivian Bearing, respectively, in the play "Wit." For additional information, see the adjacent story.

Photo: Greg Grieco

Country's George Jones to make an appearance May 31

Country singer George Jones, with special guest Mustang Sally, will perform at The Bryce Jordan Center at 7:30 p.m. Thursday, May 31. Tickets are \$29.50 for reserved intimate, theatre-style seating.

In his songs, Jones interprets the country archetypes — broken love, human failings and sweet dreams gone sour. Despite the highs and lows of his career, he still is in perfect voice, bending notes and

BRYCE JORDAN CENTER

translating phrases in his inimitable way. He has recorded more than 100 albums since the mid-1950s.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555, or online at <http://www.bjc.psu.edu/>.

Headliners named for 2001-2002

Gregory Hines, Judy Collins, Tom Chapin and a number of jazz greats headline the Center for the Performing Arts' 2001-2002 season on the University Park campus.

Highlights of the season include fiddler Mark O'Connor,

ner, ballet and modern dance performances, the Broadway musical "Rent," children's programs and classical music.

For information or a season brochure, call (814) 863-0255 or 800-ARTS-TIX. Check the Web at <http://www.cpa.psu.edu/hot.html> for schedule and dates.

UNIVERSITY PARK CALENDAR

May 11 - May 24

SPECIAL EVENTS

Friday, May 11

"Wit," by Margaret Edson, plays at 8 p.m. May 11, 12, 18 and 19; and at 7:30 p.m. May 14-17. For tickets, call (814) 863-0493.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Sightseeing: A Space Panorama," photographs from NASA space missions, through Aug. 21.

"Three Award Winning Medallist," by Jeanne Stevens-Sollman, Leanda Finke and Karen Worth, through Sept. 16.

Ken exhibit area

"History Past, History Present: The Daguerreotype Portrait in America," through May 20.

Pattee and Paterno Library exhibit areas

"The Digital Photography Studio, Student Photographs," 109 Pattee, through May 20.

Ritenour Center

"Secret Strengths," photos by Rebecca Porter, through Sept. 12.

Willard

"Color, Light, Line," abstract paintings and drawings by Veronique Foti, through Aug. 10.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Private Giving

Leading the Way The Faculty and Staff Campaign 2001



THE
PENN STATE
CAMPAIGN

"Music, scholarship and lifelong learning are of major importance to our family. We believe that they are an integral part of the University and all three areas are in need of additional funding. With this in mind, I asked that my monthly payroll deduction be divided among three areas: the School of Music, the Schreyer Honors College and Outreach and Cooperative Extension. Our children's college years were enhanced by these units and with additional

funds from others I hope that they will continue to benefit other students."

— Gretchen A. Leathers is assistant director, Penn State Continuing Education, State College office. A former public school teacher, she joined the University in 1984.

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaystoGive/AnnualFund/facultystaff.asp/>

Portlands' gift endows 2 scholarships

Rene Portland, head coach of the Lady Lion basketball team, and her husband, John Portland, have committed \$500,000 to the University to endow two undergraduate scholarships for student-athletes.

The gift is one of the largest ever made nationwide by an athletic coach for scholarships. One scholarship, for captains of the Lady Lions, is named in honor of the Portlands' daughter, Christine M. Portland, who played with her mother's team from 1995 to 1999 and was a captain of the 1998-99 team. The other scholarship, to support student-athletes who play center position for the Lady Lions, is named in honor of Rene Portland's mother, Margaret "Granny" Muth.

To be eligible for either scholarship, students must have outstanding academic records and be proficient in basketball. The scholarships will be awarded for one academic year with the possibility of renewal in subsequent years.

The Portlands' gift supports the University's Grand Destiny capital campaign, part of which includes support from faculty and staff. Since the campaign began in 1996, nearly 50 percent of all University faculty and staff have made gifts to support students, faculty, academic programs and other University needs.

Corporation endows scholarship at Erie

The Lord Corp. has given \$200,000 to Penn State Erie to endow a scholarship honoring Thomas Lord, former chairman of the Lord Corp. board of directors. Although the corporation has given scholarship gifts to national research universities in the past, this is Lord's first endowed scholarship in Erie County.

Two-thirds of the income from the Thomas Lord Scholarship endowment will benefit academically talented students in the areas of engineering, engineering technology and science, and one-third will be given to students in any major offered at Penn State Erie.

Full-time incoming freshmen, currently enrolled students with superior academic records and students who show promise of academic success are eligible to apply for this scholarship. First preference will be given to children of employees of the Lord Corp. Scholarships given in the freshman year are renewable for subsequent years, providing the student remains eligible.

Thomas Lord was one of the first to develop a mount for aircraft engines, and he helped the corporation make the transition from initial entrepreneurial ownership to professional management. He was the son of founder Hugh Lord.

Additional contributions to this scholarship may be made by interested people or organizations. For information, call the Penn State Erie Office of Admissions and Financial Aid at (814) 898-6100 or check the college's Web site at <http://www.pseri.psu.edu/>.

Couple gives \$2.7 million for life sciences

The University's efforts to build a new life sciences building have received a major boost from alumnus Paul Berg and his wife, Mildred, who have committed \$1.5 million toward construction of the facility.

Paul Berg is Cabhill professor emeritus of cancer research at Stanford University and winner of a Nobel Prize in 1980 for developing a method to map the structure and function of DNA.

The new building will help Penn State meet steadily rising student enrollment in the life sciences and provide more opportunities for research that impacts everyday life.

Planned for a location on Shortlidge Road between Eisenhower Auditorium and

the Joab Thomas Building, the facility will house state-of-the-art classrooms and research laboratories, as well as offices, meeting and gathering spaces, and a 182-seat auditorium. The construction schedule aims for occupancy in 2003.

The Bergs' gift for the Life Sciences Building is part of a larger commitment that also includes \$1.2 million for an endowment that supports undergraduate student research in the life sciences. The Paul and Mildred Berg Undergraduate Research Endowment provides financial aid to Eberly College of Science life sciences majors who also are Schreyer Honors College students conducting research projects in faculty laboratories.

Paul Berg graduated from the University in 1948 with a bachelor's degree in biochemistry. He received a doctorate from Case Western Reserve University in 1952 and joined the Stanford faculty in 1959. At Stanford, he also serves as director of the Beckman Center for Molecular and Genetic Medicine.

He is widely regarded as a pioneer in the branch of biochemistry known as genetic engineering and chaired the scientific advisory committee for the National Institutes of Health Human Genome Project from 1990 to 1992. Penn State named him a Distinguished Alumnus, the highest recognition it can bestow on one of its graduates, in 1972.



Awards

Administrator and staff honored by Continuing Ed

Sara Parks, director of the School of Hotel, Restaurant and Recreation Management in the College of Health and Human Development, has received the Shirley Heidrick Continuing Education Award for Outstanding Academic Leadership from the Division of Continuing Education.

The award recognizes an academic administrator whose visionary accomplishments have contributed significantly to the success of Continuing Education efforts.

Parks served as associate dean for outreach, cooperative extension and international programs in the College of Health and Human Development from 1988 to 2000, when she was appointed director of the School of Hotel, Restaurant and Recreation Management.

Parks was lauded for adopting new educational formats and delivery mechanisms as well as for her focus on interdisciplinary outreach projects, such as the Rural Women's Health Initiative, which is a part-

nership of three colleges: Health and Human Development, Medicine and Agricultural Sciences.

During the annual awards program, Continuing Education staff members also were honored for their contributions and commitment to Outreach and Continuing Education.

Michael Ostroski, director of Conferences and Institutes, was awarded the Continuing Education Outstanding Leadership Award.

The following staff members also were honored:

■ Melanie Doebl, program developer, Outreach Office of Program Development, received the Newcomer Award.



Sara Parks

■ The Outreach Technology team of Tracy Gross, computer support specialist, and Donna Yurukoglu, information technology specialist, Office of Information Systems; and Jeanne Emigh, staff assistant, and Jeanne Williams, former program development specialist, Outreach Office of Program Development, received the Best Quality Award.

■ Robinne Weiss, instructor, Shaver's Creek Environmental Center, received the Creativity and Innovation Award.

■ Jane Reese, staff assistant, Intensive English Communication Program, received the Customer Service Award.

■ Learning About LifeLink: A Model Transition Program, coordinated by Kathleen S. Karchner, conference planner, and Janet R. Patterson, senior conference planner, Conferences and Institutes, Division of Continuing Education, won the Exemplary Program Award.

■ Jeri Childers, assistant director, Out-

reach Office of Program Development, received the Making Life Better Award.

■ Deborah Klevas, director, Outreach Office of Program Development, received the Mentor Award.

■ Patricia Rhee, program aide, Outreach Office of Client Development, received the Outstanding Employee Award.

■ Dan Kennedy, assistant director, Outreach Office of Marketing Research, received the Outstanding Motivator Award.

■ James Runner, instructor, Intensive English Communication Program, and Kathryn Woodley, assistant professor, Management Development Programs and Services, received the Outstanding Teacher Award.

■ Penn State Great Valley professional development staff: Lee Dougherty, acting director of technology; Patty McFadden, office manager; and staff assistants Jean Callazzo, Jeannette Giesecke, Linda Paterno, Shelly Gabries, Ruth Bondurant and Colin Dougherty, received the Team Award.

National Science Foundation awards go to 3 in Computer Science, Engineering

Three faculty members from the Department of Computer Science and Engineering have won National Science Foundation Career Awards.

The Career Awards program helps scientists and engineers to develop their research and teaching simultaneously as their careers get under way.

The faculty members are Guohong Cao, assistant professor of computer science and engineering; Mahmut Kandemir, assistant professor of computer science and engineering; and Vijaykrishnan Narayanan, assistant professor of computer science and engineering.

Cao received a five-year award totaling \$267,000 for his project, "Designing Adaptive Resource Management Schemes to

Support Integrated Services in Mobile Computing Systems." Cao's research will focus on integrating services such as data, voice and video in mobile devices, as well as their impact on bandwidth and power consumption.

Kandemir received a five-year award totaling \$250,000 for his project, "An Energy-Aware Optimizing Compiler Framework." Kandemir's work investigates a new avenue in optimizing compilers in the design of software and

hardware. Old strategies focused solely on performance. However, as electronic devices become more powerful, smaller and more mobile, designers must take into account energy consumption as well as performance. Kandemir's work takes an energy/performance-aware approach.

Narayanan received a five-year grant totaling \$268,000 to investigate "Energy-Efficient Architectures and Their Interac-

tion with Software: A Java Perspective." Narayanan is developing fast and accurate high-level energy estimation tools and researching their use in designing new software and architectural techniques for energy efficient Java execution. He also is developing an educational plan to provide a strong foundation in interaction of hardware and software systems and hardware system design for undergraduate and graduate students.



Guohong Cao



Mahmut Kandemir



Vijaykrishnan Narayanan

Endowment names 2 Harbaugh Faculty Scholars

C. Paola Ferreri, assistant professor of fisheries management, and Spiro Stefanou, professor of agricultural economics, have been named Harbaugh Faculty Scholars by the College of Agricultural Sciences.

Alumnus Earl K. Harbaugh and his wife, Kay, donated \$100,000 to endow the college's Harbaugh Scholars Program for Excellence in Teaching and Learning. Their aim is to help faculty develop innovative teaching and learning processes.

Ferreri and Stefanou are the first recipients of the honor, which includes a \$35,000 financial award.

Ferreri will use her award to get the new fisheries option in the Wildlife and Fisheries Science curriculum off to a good start. The option will be introduced

this fall. Ferreri also plans to buy several water chemistry and temperature monitoring meters for students to use in hands-on field studies and to use part of the award to attend a workshop on innovative teaching techniques.

Stefanou plans to use his award to continue building and refining a case library to support teaching food product innovation management, in collaboration with Lamartine Hood, professor of agricultural sciences, and Barry Zoumas, Alan R. Wareham professor of agribusiness.

The case library project brings industry expertise into the learning environment through the use of narratives based on experts' problem-solving experiences.

Faculty, staff honored by Harrisburg campus

Omidi Ansary, professor of engineering, was presented two awards at the annual Penn State Harrisburg Faculty and Staff Recognition Program.

Ansary earned the Award for Excellence in Research and the Award for Excellence in Faculty Service. Ansary has been a frequent volunteer in efforts which have improved the educational climate of the college. Along with his research commitment, he served for five years on the College Faculty Senate, including a term as its president. Ansary also has been a member or chair of faculty commit-

tees for academic program development; selection of new faculty, administrators or staff; for the selection of award winners; and for promotion and tenure.

Cynthia Leach, staff assistant in the School of Humanities, was presented the Award for Excellence in Staff Service. Margaret Jaster, assistant professor of humanities and literature, earned the Award for Excellence in Teaching and Valerie Dubig, public information coordinator, was named winner of the Kathryn Towns Women's History Award.



Omidi Ansary



Cynthia Leach



More Awards

Arnold named director of mathematics institute

Douglas Arnold, distinguished professor of mathematics, has been named director of the Institute for Mathematics and Its Applications at the University of Minnesota. He will succeed Walter Miller, who has been director of the institute since 1997. He will take a leave of absence from his faculty duties at Penn State beginning in the fall, to assume the direction of the institute.



Douglas Arnold

Established in 1982 with the support of the National Science Foundation, the institute ranks among the leading centers for the mathematical sciences in the world. Its mission is to identify problems and areas of mathematical-sciences research related to challenges faced by other sciences and industry; to demonstrate the impact of mathematics and statistics on other disciplines; and to encourage the engagement of mathematical scientists with those areas of application.

Arnold was elected chair of the institute's Board of Governors in November and he had a long association with the institute, including two years in residence and experience on the Computational Programs and Resources Advisory Committee before joining the Board of Governors.

Arnold joined the Penn State faculty in 1989. During his tenure he has helped to develop and manage the Penn State MathNet — the departmental computer network serving the research, teaching and administrative computing needs of faculty, staff and students. He served as associate chair for computing from 1991 to 1994 and as interim department head in 1995. He works as co-director of the University's Center for Computational Mathematics and Analysis, associate director of the Institute for High Performance Computer Applications and as a member of the University's Center for Gravitational Physics and Geometry. He received the George W. Atherton Award for Excellence in Teaching at Penn State in 1996, the Teresa Cohen Service Award from the Department of Mathematics in 1998 and the Eberly College of Science Distinguished Service Award in 2000.

Arnold's research interests center around mechanics, numerical analysis, partial differential equations and the interplay between those areas. His contributions to the design and analysis of algorithms for differential equations are widely recognized.

Penn College professor gets Fulbright Scholarship

The U.S. State Department has awarded a Fulbright Scholarship to S. Layne Russell, an attorney and assistant professor of legal studies at Pennsylvania College of Technology, who will use the opportunity to explore a "new legal era" in Slovenia, a country that broke away from the former communist Republic of Yugoslavia in 1991.

Russell, who has been granted a sabbatical leave from Penn College, will be based at the University of Ljubljana, Slovenia.

At the host institution he will help initiate a peer-mediation project for students, lecture in constitutional and mass-communications law, and participate in conferences and seminars with legal experts in the Slovenian community.

Upon returning home, Russell expects to help develop a collaborative project between Penn College's School of Business and Computer Technologies and the University of Ljubljana for the study of mass-communication laws.

Last tango in Happy Valley



Mindy Sullivan, a senior majoring in nutrition, and Jason Drapeau, a junior majoring in secondary education, sway and dip while practicing the tango in Tara Rowlyk's dance class in White Building on the University Park campus.

Photo: Greg Grieco

COURSES

Health Matters

Health Matters yoga and Tai Chi classes will be offered for one summer session in 126 White Building, University Park.

Advanced and beginner Tai Chi classes will start May 17 and end July 5. Beginners will run from 11 a.m. to noon and advanced will run noon to 1 p.m.

Beginner, intermediate and advanced yoga will start May 15 and end June 26. Beginners will run from 11 a.m. to noon; intermediate will run from noon to 1 p.m.; and advanced will run from 1 to 2 p.m.

To register for these program offerings on the University Park campus, call (814) 865-3085.

U2B team winner named in inaugural business plan contest

The winning team in the inaugural U2B (University-to-Business) Fox Challenge has been announced by Raymond Lombra, associate dean of the College of the Liberal Arts. Following final presentations by the finalists on April 25, a panel of University and business leaders has selected Aryam as the winning business.

Aryam intends to create a research and development business that will focus on knowledge creation and transfer.

In addition to team leader Uday Turaga, a doctoral student in fuel science, the Aryam team members include Kaushik Raha, a doctoral student in life sciences; Michael Sprague, a master's degree student in fuel science; and Ryan Zarnitz, a senior majoring in chemical engineering.

The U2B Fox Challenge, a University-wide business-plan contest, was initiated to engage students in entrepreneurship, from conceptualization and planning through the launching of a new company. It is the brainchild of alumnus Ken Fox, a 1993 economics graduate in the College of the Liberal Arts. Fox is the co-founder and managing director

of Internet Capital Group Inc., a company engaged in business-to-business e-commerce.

The contest kicked off last September in the HUB-Robson Center with participation by more than 400 people that resulted in the submission of 195 business plan summaries.

The Aryam group will be given seed money to help facilitate the next steps in its business development. As the company becomes a viable entity, Fox expects additional capital will be available for it.

While the competition was open to all Penn State students, it was based in the College of the Liberal Arts because of the importance that is placed there on communication skills, team building and critical thinking — elements that are necessary for the development of successful business ventures.

A review panel, in addition to Ken Fox, included alumnus Bob Capretto, an entrepreneur and oral surgeon in Pittsburgh; and Gary Weber, assistant vice president for research and director of technology transfer. The panel reviewed the

semi-finalists' business plans and provided input that the teams incorporated into their final presentations.

In addition to Aryam, the other finalists were: ■ Adielle — offshore outsourcing service providing Web and software development. Team members are: Husam Ali Brohi, Ali Chaudhry, Sobha Chaudhry and Auzim Sultan;

■ Pleasant Cove — senior day care and home assistance franchise. Team members are: Heather Bergman and Mark Bergman; and

■ Vazor — customizable online product support service. Team members are: Laura Beck, Richard Kaplan, Colin Murphy, Justin Plock, John Nye, William Them and Luis Valbuena.



Appointments

Associate director for career counseling and planning named

Robert M. Orndorff has been named associate director for career counseling and planning in Career Services, a division of Student Affairs.

Orndorff brings to the associate director position experience and skills in college career counseling, managing a career center, supervision of career counselors, teaching, consultation and information technology. He has published a number of journal articles and authored a job search book that's being sold in bookstores nationwide.

Orndorff prides himself in establishing strong positive relationships with students, career services staff, faculty, employers, alumni, parents and college administrators. He has won four service awards for cultivating positive relationships working with students and faculty and recently designed a database for counselors and support staff to track appointments and store important data and reports. His extensive experience has been acquired through 12 years of service in career services offices at five institutions.

From 1988 to 1989, Orndorff served as a career counselor/graduate assistant in



Robert M. Orndorff

the Office of Career Services at Indiana University of Pennsylvania. In July of 1989 he was named career programming director in the Career Center at Georgetown University and served until 1992. From August 1992 to June 1995 while working on his doctorate, he served as career programming assistant/instructor in career services at Penn State. He served as director of the Career Development Center, Department of Student Services at Moravian College from 1995 to 1997.

Before joining Penn State, Orndorff was director of Elton Career Center, Division of Academic Affairs at Elon College in Burlington, N.C. He also has consulted with Corning in State College while performing outplacement services.

Orndorff received his undergraduate degree in mathematics from Shippensburg University in 1988. In 1989 he received his master of arts degree from Indiana University of Pennsylvania in student affairs in higher education. He received his doctorate in counselor education/career development from Penn State in 1995.

Department of Integrative Arts names Bill Kelly as first head

Bill Kelly, associate professor of theatre and integrative arts, has been named the first head of the Department of Integrative Arts.

Kelly has been professor-in-charge of the department since 1992.

Kelly received a master of fine arts degree and a bachelor of arts degree in theatre arts from the University in 1979

and 1970 respectively. He also is the director of the Drama in Britain Program and The Center for Educational Outreach in Popular Music.

Kelly is a recipient of the George W. Atherton Award for Excellence in Undergraduate Teaching as well as an Excellence in Teaching Award from the College of Arts and Architecture, both from the University,

Latent talent



Moms and daughters lean in for a closer look as University police officer Anne Grego shows them how to lift fingerprints from a car. Grego's demonstration was part of the activities at the University Park campus during national Take Our Daughters to Work Day.

Photo: Greg Gioeco

BOOK SHELF

William A. Blair, associate professor of history and director of the Civil War Era Center, and **William Pencak**, professor of American history, *Making and Remaking Pennsylvania's Civil War*, Penn State University Press, 2001.

The book, edited by Blair and Pencak, examines the impact of the Civil War on Pennsylvania and the way its memory remains alive today. In a series of essays, it includes new information about Pennsylvania during the war years, focusing on the homefront, nonmilitary events, and examining race and gender issues.

Robert M. Frieden, professor of telecommunications, *Managing Internet-Driven Change in International Telecommunications*, Artech House Publishers, 2001.

The book reflects the impact of the Internet on international telecommunications technology and provides a clear picture of technological and marketplace convergence. By providing perspectives from both telecommunications and information technology professionals, the book bridges the gap between these two disciplines.

Health Matters marks Women's Health Week with several sessions

Health Matters, part of the Division of Employee Benefits, recently conducted a brief Web-based survey to determine in what areas of women's health the women of Penn State are interested. More than 150 people completed the survey. As a result, Health Matters will be sponsoring programs on the University Park campus during National Women's Health Week that cover some important women's health issues. National Women's Health Week (May 13-19) is a national effort by an alliance of organizations to raise awareness about manageable steps women can take to improve their health.

Over the past century, a woman's life expectancy has increased by nearly 30 years. Now the challenge is to live those years being healthy and productive. Health research for women has broadened and many women are becoming more aware of

the issues that affect their lives.

The leading causes of death in women include heart disease, cancer, stroke and lung disease. The fact is that 50 percent of the causes of these killers are related to behavior. The focus of Women's Health Week is on the importance of incorporating simple preventive and positive behaviors into everyday life.

Heart disease, the No. 1 killer of women, is often viewed as a man's disease. However, more women than men die each year from heart disease. Because this is a gradual disease, women should participate in heart healthy practices throughout their lives. These include exercising, eating from the Food Guide Pyramid and not smoking.

To learn more about heart disease, attend the "Nutrition for Women" program from noon to 1 p.m. Thursday, May 17, in 301A Ag Administration Building. Wendy Bollinger,

registered dietitian, will discuss nutrition issues relating to weight loss, heart disease, breast cancer and osteoporosis.

Breast cancer is the second leading cancer killer of American women (lung cancer is first among cancers). Although breast cancer strikes one in eight women, early detection and treatment has led to a decline in deaths. Thea Krause, administrative director of the Cancer Program at Centre Community Hospital, will present a "Breast Cancer Awareness and Prevention" program from 11 a.m. to noon Monday, May 14, in 301A Ag Administration Building. Topics discussed will be self-exams, risk factors, an introduction to the STAR Prevention Trial for women at risk and treatments for breast abnormalities.

The other health topic that many women said they were concerned about is menopause. There are many questions that

surround this health issue that affects all women at some point in their lives. Dr. Robert Heinbach, a gynecologist with more than 20 years of experience, will present "Managing Menopause" from noon to 1 p.m. Wednesday, May 16, in 807A Business Administration Building. Heinbach will cover what symptoms to expect, how to relieve them, hormonal therapy and alternative medications. He also will cover herbal products and their efficacy.

To register for any of these programs, call Health Matters at (814) 865-3085, e-mail hmmatters@psu.edu or register online at <http://www.chrpsu.edu/health/home.htm>.

In addition to the programs being offered, articles, information and quick tips will be e-mailed to the Health listserve throughout the week. To become a member of the listserve, e-mail hmmatters@psu.edu and include first and last name and e-mail address.



Focus on Research

Mothers, adult daughters can handle conflict, according to researcher

BY BARBARA HALE
Public Information

Despite conflicts and complicated emotions, the tie between mothers and daughters is so positive, so strong and so enduring that 80 to 90 percent of women at mid-life say that they have a good relationship with their mother—even though they wish that relationship were better, University research has shown.

"The relationship between mothers and their adult daughters is one in which the participants handle being upset with one another better than in any other," said Karen Fingerman, assistant professor of human development and family studies. "Women should recognize the strength of their relationship with their mother and appreciate it more."

Fingerman is the author of the new book, *Aging Mothers and Their Adult Daughters: A Study in Mixed Emotions*. Based on Fingerman's study of 48 pairs of elderly mothers and their mid-life daughters, the book was written for researchers, mental health professionals and other behavioral specialists. However, Fingerman's findings relate to questions and issues that concern nearly every mother and adult daughter.

"Although many aspects of the relationship change as daughters enter mid-life, certain emotional qualities remain constant. In particular, mothers continue to influence the way daughters feel about themselves," she wrote. "Years after daughters are grown, daughters feel guilty and ashamed when their mothers criticize them and feel happy when their mothers are proud of them. Indeed, women find it difficult to balance their desire to please their mothers while dealing with the inconveniences that arise in their relationships."

For example, adult women often feel conflicted because they can't spend as much time with their mothers as they would like. In a recent interview, Fingerman said, "You don't have to do whatever



Karen Fingerman, assistant professor of human development and family studies, shown with photos of her newborn daughter and her mother, is the author of *Aging Mothers and Their Adult Daughters: A Study in Mixed Emotions*.

Photo: Greg Grieco

your mother wants. However, constantly telling her you don't have time isn't a good idea either. Instead, set boundaries. Tell her when you do have time to do things with her and then follow through."

Disagreement between mothers and daughters often is another point of tension. Fingerman said, "In that situation, don't try to change your mother because you're not going to be able to change her. Try to focus on the positive side of your relationship and accept your mother as a person with faults."

"No matter how old you become, your mother will tend to behave like a mother toward you. She'll keep trying to make you into the fantasy she has of you," added the researcher.

Problems between parent and child are

inevitable throughout life, not just at the Terrible Twos or during the teen-age years, because parents and children are always at two different points in the life cycle.

When daughters are young, mothers spend time listening to them and assisting them with their problems. When their daughters are middle-aged, mothers feel free to treat them like mature women in whom they can confide. Some daughters find this sharing of confidences pleasurable, other daughters find it problematic and some daughters experience both emotions at the same time. Fingerman said, "It's normal to feel ambivalent about your mother."

Barbara Hale can be reached at
bah@psu.edu

Two heads not always better than one

BY BARBARA HALE
Public Information

Learning to solve a problem as part of a twosome and learning on your own produce different benefits, a University researcher has found and he said these differences can be exploited to enhance cooperative learning strategies, decision support systems for corporate managers or online courses.

Michael D. McNeese, associate professor of information sciences and technology, said, "The way you acquire information affects how you use it. We've shown that learning to solve a problem in a group definitely has certain advantages. However, when you look in depth, there are situations where the individual who worked alone on the problem does better than people in groups. It depends on the problem."

"Our study suggests that if you are setting up computer support for online learning, you have to set up different things for individuals versus groups," he added.

"Groups need to have an effective interface. If you're doing a distance learning course, the students should be able to use video-based perception since videos of real-world problems work best to create a context for understanding," he added.

McNeese, who joined the School of Information Sciences and Technology last fall, conducted the study while he was at the Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio.

In his study, the researcher asked 14 groups composed of two people as well as 28 individuals to watch a video about an eagle search and rescue mission and to solve the problem the video dramatized.

The groups of two people solved the hardest part of the problem more often and more quickly than individuals working alone. McNeese said the data show the group problem solving had an advantage because the two people shared their knowledge, brought different experience and expertise to the problem and kept each other from drifting off the point.

However, later, when the experiment participants were shown another video with a similar problem and asked to solve it, individuals did better overall than the groups.

"In groups you don't have to rely on your memory as much because you have the other group members to prompt you. Individuals, on the other hand, have to rely on their own memory while exploring the videos for scenes and this provides an edge in solving the problems," McNeese said.

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University leads Atlantic Slope Consortium with a \$6 million grant from EPA

More than 15 University researchers will join colleagues from the Smithsonian Environmental Research Center, Virginia Institute of Marine Sciences, East Carolina University, Environmental Law Institutes and FTN Associates to conduct an integrated assessment of the watersheds and estuaries along the Atlantic Slope from the Appalachian Mountains to the coastal beaches of the Mid-Atlantic states.

Natural scientists and social managers will join forces with environmental managers from the region to develop a set of biological, chemical, physical and socioeconomic

indicators to measure the health of wetlands, streams, rivers and estuaries in the region. The Atlantic Slope Consortium, one of four programs funded nationally by the U.S. Environmental Protection Agency's STAR Grants Program, will garner \$6 million over four years to conduct its work.

Robert P. Brooks, director of the University's Cooperative Wetlands Center, will serve as project director for the Consortium. Other researchers from the Environmental Resources Research Institute include Denise Wardrop, assistant director of the Cooperative Wetlands Center and research associate;

James Shortle, professor of agricultural economics and rural sociology; Robert O'Connor, assistant professor of political science; and Egidio Nizeyimana, ERRI senior research associate.

The consortium members will assess small watersheds and estuarine segments throughout the Delaware, Susquehanna-Chesapeake and Abasco-Panlico basins. These units are sized to facilitate management decisions at the local level.

The project's progress can be tracked soon through the state Spatial Data Access Web site at <http://www.pasda.psu.edu>.



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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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Scenes from the end of the semester



As temperatures outside climbed into the mid-80s, classrooms in Willard Building on the University Park campus became very warm during finals week. Because of this, Moses Ling, assistant professor of architectural engineering, had his students move their desks outside for their final exam in Architectural Engineering 202 — a class in thermal comfort.

Photo: Annemarie Mountz



Jim Jamieson and parents J.R. and Margie pack up the family van to leave University Park for home, which is Pittsburgh.

Photo: Greg Gleco



Ferris Ioanis, a senior in mechanical engineering, had two finals left on Wednesday, May 2, but took time out from his studies that afternoon to shoot some pool at The Corner Pocket in the HUB-Robeson Center on the University Park campus.

Photo: Annemarie Mountz



Children from the Bennett Family Center on the University Park campus didn't have any cares during finals week. They and their care-giver played on the lawn behind the HUB-Robeson Center on the University Park campus.

Photo: Greg Gleco



Intercom

INFORMING THE PENN STATE COMMUNITY

MAY 24, 2001

Changes coming to state retirement code

On May 8, the Pennsylvania General Assembly passed House Bill 26 to amend the provisions of the State Employee's Retirement Code by enhancing retirement benefits and reducing the vesting period. Gov. Tom Ridge signed the bill into law on May 17. Most changes incorporated in the law will become effective July 1.

As these changes will affect both present and future SERS participants, the Employee Benefits Division has tracked the movement of this legislation closely. It is

important to note that this legislation does not affect individuals enrolled in the TIAA-CREF retirement program. Faculty and staff make an irrevocable decision when selecting their retirement plans.

Final details are not yet available. Please note that the following items are subject to change.

■ Retirement benefits under SERS are determined by formula (2 percent multiplied by a participant's years of credited service in SERS, multiplied by the final

average salary). The new legislation will increase the annual benefit accrual rate from 2 percent to 2.5 percent. The increased retirement benefit will become effective July 1.

■ Employee contributions will increase from 5 percent to 6.25 percent of gross salary effective Jan. 1. This will apply automatically to new SERS members who elect coverage on or after July 1.

Retirement, page 3

Undergraduate research is on the increase

By AMY NEIL
Public Information

Research is a significant element in undergraduate education at Penn State, with more than 5,000 undergraduates participating in some form of research this past year.

"Undergraduate research introduces students to the joy of discovery and makes the process of learning active, rather than passive — a process that engages students in new and different ways," Rodney Erickson, executive vice president and provost, told the Board of Trustees.

Erickson said that involvement in research often can help students decide on a career path or rule out certain careers. It also can help them decide if graduate school is the right choice for them and, it can help position them for added success in their future work or studies.

Research, page 3

Groundskeepers from Physical Plant keep that bloom in tip-top summer shape

By JULIE A. BRINK
Public Information

Stroll around University Park this time of year and you'll see blooming dogwoods, ornamental cherries blossoming on gracefully arching boughs and fragrant lilacs nodding against sunny brick walls.

The University presents its prettiest face from May through the summer months when the elms create a living canopy over the mall and the flower beds around the sundial at The Nittany Lion Inn sparkle with color. But, the campus doesn't get that pretty by itself.

"Snow for me, is a four-letter word," said Ron Eckenroth, supervisor of grounds for the east campus and a big fan of spring on campus. He's one of the folks behind the scenes making sure the campus is postcard-perfect for special events.

Behind the neatly manicured lawns, the flower beds and ornamental shrubbery is the hard work of the Office of Physical Plant.

The groundskeeping crew works year-round keeping the campus beautiful. In the summer this means planting 26,000 flowers and then maintaining the flower beds, seeding lawns, mowing grass, pruning shrubs and caring for 11,000 trees.

That doesn't take into consideration the maintenance — picking up cigarette butts and cleaning up trash. It takes about 48 full-time employees to keep up. In the summer, another 20 or so wage-payroll employees are added to help plant flowers



Area maintenance/landscaper Sean Wood waters a table full of coleuses at the Office of Physical Plant's greenhouse. The plants are among the 26,000 annuals the University plants each spring around the University Park campus.

Photo: Greg Grieco

Board adopts interim budget of \$2.16 billion

The Board of Trustees adopted an interim maintenance and operating budget of \$2.16 billion during its recent meeting.

Each year, the University adopts an interim budget so that it has an approved fiscal operating plan from the end of its fiscal year, July 1, until the next year's budget is approved by the board.

The 2001-2002 budget will be presented to the board for approval at its next meeting, July 17, at Penn State Abington.

The board's May 11 action approved the interim maintenance and operating budget at the level of the 2000-2001 total operating budget for the total University.

The board will take no action on changes in tuition, salaries and wages, employee benefits or other necessary expense increases until after the 2001-2002 state appropriation has been approved.

Groundskeeping

Continued from page 1

and provide general landscaping maintenance. The average maintenance/groundskeeping employee is responsible for keeping about 20 acres clean.

"We have a lot of dedicated employees here working hard to keep the campus looking nice," said Jeff Dice, supervisor of grounds for the west campus. "Their effort makes a difference when people come here. It shows through the whole facility both inside and out."

The work is a cooperative effort requiring skilled labor and support that aren't always visible on the surface. That may include rerouting water and utility lines, building walls, setting stone, grading earth and seeding lawns.

"One thing about Physical Plant is we have a wealth of trades talent in all disciplines," Dice said, noting the blending of skills that goes into making the landscape attractive.

Dice joked that to him "construction" is a nasty word. The constant changes in infrastructure, utility upgrades and capital renewal projects that put demands on both the contractors and the groundskeepers to strike an aesthetic balance.

"The landscape crews are the guardians of the trees and plants on campus," he said. "The crews work extremely hard to keep as good a 'face' on the landscape as possible."

The campus beautification process begins in autumn when Dice and Eckenroth's crew work together with the landscape architects to discuss next year's flowers, plantings and projects. The groundskeepers take about 100 photographs of the flower beds at their peak and collectively use this album to make determinations for the next year.

Group decisions are based on what worked, what didn't, taste and personal preference. Customers also have significant input on the selection. A standing order, sent out at the beginning of the year, will include salvia, impatiens, bego-



Students collaborated with the Office of Physical Plant, the Department of Horticulture, the Colleges of Engineering, Earth and Mineral Sciences and the Penn State Alumni Association to transform a courtyard behind Electrical Engineering West on the University Park campus. When the project is complete, a brick patio, trellis, walkways and associated plantings will welcome passersby.

Photo: Greg Grieco

nias, petunias, vincas, variegated cannas and coleus. The cost is about \$10,000 for flowering plants, Dice said.

Crews start flower planting about May 15 and have the bulk of the work completed within three weeks. This year, look for a blue-and-white color scheme in plantings at The Nittany Lion Inn and for beds full of tall ageratum, which "make sort of a blue cloud," groundskeeper Laura Maney said. Some of the biggest beds are on the south side of Pattee Library, in front of Ritenour Building and Old Main, as well as the beds and containers around Pollock Halls. "Keeping them watered is a task," she said.

The work is worth it to Maney. "About three weeks or so after they're in and they're filled out, it's nice just to do a drive-by and admire," she said. "It's one of the things we do that gets positive customer feedback. This is one job that makes people happy."

The University gets most of its bedding plants from outside contractors, but it does have a greenhouse and nursery where some plants are grown. On a recent visit, a row of leafy coleuses were potted up and awaiting assignment outside Ritenour Building. A number of sprouting delphiniums were destined for Schreyer House, President Graham B. Spanier's residence.

The nursery, located off Park Avenue behind the Ag Arena, is where OPP grows a number of trees and shrubs for placement around campus. Slender elms, maples and oaks stood among the evergreens in straight rows. The nursery also

is a repository for salvaged plants. The groundskeepers remove plants and trees from construction sites whenever possible and recycle them at other locations.

Currently most of the flowers around the University are annuals, such as petunias, and marigolds. These bedding plants grow, bloom and die in one season. Perennials are plants where the foliage dies in the fall but grows back from the roots in the spring. The newly planted peonies at the Hintz Family Alumni Center are an example of perennials. Dice said he'd like to take the University landscaping to a higher level by using more perennials and bulbs. He hopes to add an employee whose job is working with that plant category.

New flower beds and large landscaping projects fall into the realm of the University's landscape architects, who do the designing and make sure the projects conform to University standards, Eckenroth said.

Landscaping crews from OPP also assist with student beautification projects. Two of the more visible ones are the play area at the Bennett Family Child Care Center on Pollock Road and the patio area behind Engineering West.

At the center, landscape architect students from the Department of Horticulture are installing a walkway for the children that includes a pedestrian bridge and are landscaping the area with shrubs, trees and perennials that skirt a dry streambed under the footbridge. The plan for this area was originally

developed by the students in a landscape design course. When complete, the area will be landscaped with sawtooth oaks, a hemlock, hydrangea, inkberry holly, spirea, butterfly bush, hostas, coral bells and irises, according to Dan Stearns, associate professor of landscape contracting, who is overseeing the students, along with Martin McGann, assistant professor of landscape contracting. The rest of the children's playground will be developed by a consultant. Students also are planting hemlock, red- and yellow-twig dogwoods, boxwoods and black-eyed susans near the entry. Price range for that project is between \$5,000 and \$7,000, according to Judith Larkin, Physical Plant project manager.

At the Engineering West site, students built a brick patio, trellis and walkways. Plantings include boxwood, Virginia sweetspire, yellowwood trees and perennials. Including site furniture and lighting, it is estimated the project will cost between \$30,000 and \$35,000, according to Derek Kalp, landscape architect, who designed the project.

The project is a collaborative venture with the Department of Horticulture, College of Engineering, College of Earth and Mineral Sciences, the Penn State Alumni Association and the Office of Physical Plant, Stearns said.

Both projects are nearing completion.

Julie A. Brink can be reached at jab81@psu.edu.



Potted azaleas and hostas are among the many plants at the Office of Physical Plant's nursery behind the Ag Arena. These plants are being held in a staging area before finding a new home on the University Park campus.

Photo: Greg Grieco

Commission for Women announces new membership, executive committee

The Commission for Women, an advisory body to the University president since 1981, has announced the appointment of 12 new members. In addition, the commission has named its executive committee for 2001-2002.

Currently celebrating its 20th year, the Commission for Women provides a forum for exchanging ideas that can translate into University-wide improvements that support women and enhance the working and learning environment. Accomplishments have included the institution of the Administrative Fellows program, the establishment of a mentoring program and the running of the annual Take Our Daughters to Work Day event.

During the academic year, the commission holds monthly meetings that are open to all members of the University community. Its membership represents every employment category: faculty, exempt and

non-exempt staff, technical service and administrative, as well as graduate and undergraduate students. A nominating committee examines all applications for membership and forwards names to the president, who makes the appointments. Terms are for three years, unless otherwise noted.

Newly appointed members for 2001-2002 are:

■ Barbara Bremer, associate professor of psychology, Harrisburg;

■ Nina Federoff, professor of life sciences, University Park;

■ Carol Gay, professor of cell biology, University Park;

■ Emily Grosholz, professor of philosophy, University Park, two-year term;

■ Theresa Lafer, graduate student in agricultural and extension education, University Park;

■ Lanik Lowry, undergraduate student

in political science, University Park;

■ Edna Melendez, staff assistant, Auxiliary and Business Services, University Park;

■ Amy Milgrub-Marshall, writer/editor, College of Arts and Architecture, University Park;

■ Rachel Miller, director of human resources for the Commonwealth College, University Park;

■ Linda Strauss, director, LEAP, University Park;

■ Jane Sutton, associate professor of speech communication, York, one-year term;

■ Susan Watson, salesroom attendant, Creamery, University Park;

Janine Andrews, assistant manager of employee relations in the Office of Human Resources at University Park, will serve as chair of the commission. Winners of the

executive committee elections are:

■ Sandy Harpster, assistant director of housing services, University Park, chair-elect;

■ Renee Diehl, professor of physics, University Park;

■ Cheryl Haas Duncan, staff assistant, Fayette;

■ Carol Griffin, administrative assistant, University Park;

■ Laura Maney, groundskeeper, University Park;

■ Annemarie Mountz, manager of internal communications, University Park; and

■ Susan Shuman, senior diversity planning analyst, University Park.

In addition to appointed members, the commission welcomes affiliate members. For more information or an affiliate membership form, check the Web at <http://www.lions.psu.edu/CFW/>.

Research

Continued from page 1

"With the cooperation of the academic deans at Penn State, we have been able to increase the number of students who are engaged in undergraduate research opportunities," he said at the May 11 meeting of the board. "And, our experience indicates that this is an educational activity that doesn't cost large sums of money."

Erickson said the President's Fund for Research, administered from his office, gives funds to the colleges for the exclusive use of supporting undergraduates in the research enterprise. Each college is required to match the central funding provided.

"Our data from the 1999-2000 academic year show that \$241,000 in total funding supported at least 295 projects involving 200 faculty and more than 470 undergraduates," he said.

Erickson said the University also benefits when undergraduates are involved in research. "Undergraduate students ask questions that can be very insightful, and

can change the ways in which we as faculty approach research questions," he said. "They force us to respond to questions in different ways and on different terms than we often do with graduate student and other faculty members."

Research also helps students understand the relevance of their studies and sparks their intellectual curiosity. Erickson said offering strong programs supporting undergraduate research also is a valuable recruiting tool.

"Universities increasingly feature undergraduate research as a selling point in their recruiting messages," he said. "After all, the potential involvement of undergraduates is one of the most important assets that research universities such as ours have to offer prospective students."

Erickson cited several examples of undergraduate research at Penn State, including:

■ CAUSE, the Center for Advanced Undergraduate Study and Experience,

located in the College of Earth and Mineral Sciences. CAUSE funds seminars that allow students to do theme-based research both in the classroom and out in the field;

■ Archeology fieldwork in southern Egypt. Students from geosciences, art history, arts and landscape architecture regularly participate under the direction of several faculty; and

■ Rethinking Urban Poverty, an annual service-learning project led by Lakshman Yapa, associate professor of geology, which researches urban poverty in Philadelphia. Undergraduates from a variety of disciplines undertake research-based studies projects looking at different aspects of urban life.

"Research universities are showing once again that research and undergraduate education are not in conflict, but strongly complement each other," said Erickson.

"Through research, we are able to offer personal attention and hands-on experiences to our undergraduate students. Students tell

us that these experiences are making a real difference in their lives."

Also appearing before the board were three students who participated in research as undergraduates. Ryan Newman, a recent graduate in The Smeal College of Business Administration, received one of the first international research grants sponsored by the Schreyer Honors College. His research in Cameroon was presented at an international demography conference in Washington, D.C. Kelly Walkovich, who just graduated with a degree in biochemistry and molecular biology, received the Gerard Houser award for the top entry at this year's Undergraduate Research Exhibition. Ndidi Moses, a McNair Scholar, graduated in May 2000 and is currently a graduate student in the College of Communications. She was last year's overall winner in the Undergraduate Exhibition.

Amy Neil can be reached at aen4@mail.psu.edu.

Retirement

Continued from page 1

■ The change will not be automatic for current SERS members. Those who wish to elect the 2.5 percent accrual rate and the 6.25 percent contribution rate must make that election by filing the appropriate document no later than Dec. 31.

■ SERS will be mailing those documents to members' home addresses. The University will be providing this information. To update a home address with the University, a new W-4 form must be completed.

■ The current 10-year vesting requirement will be lowered to five years.

■ Faculty and staff who are enrolled in SERS and already have elected to terminate their employment on June 29 and retire on June 30 will have the opportunity to change

their termination date to July 2 in order to take advantage of this new legislation.

■ Employees must be on Penn State's payroll as of July 1. Since that is a Sunday and most employees are not regularly scheduled to work that day, it is recommended that employees terminate their employment on Monday, July 2. These employees will need to contact their Human Resources Representatives to change their termination and retirement dates and also contact their local SERS field office to complete the appropriate paperwork to adjust their retirement date.

■ Those faculty and staff who had previous credit in the Public School Employees' Retirement system but who did not

request to purchase multiple service credit within the 30-day time limit, now have the opportunity to receive credit for their previous public school service if requested by Dec. 31, 2003. Until now, newly-hired faculty and staff who enrolled in SERS, but who were enrolled previously in the Public School Employees' Retirement system, had to apply to SERS for their multiple service credit within 30 days from their date of hire.

■ Normal retirement age under SERS will continue to be either age 60 with a minimum of three years of credited service, or 35 years of credited service regardless of the participant's age. While the bill does not provide a "30 and out" window, some participants may feel that the increase in the

modifier will offset any age-related penalty for retiring early.

■ SERS anticipates that they will be prepared to provide new retirement estimates in early June, based on the 2.5 percent accrual rate.

The Employee Benefits Division staff is available to discuss University-related retirement issues and to provide general guidance. However, individual retirement income questions should be directed to the local SERS field office. Additional information, as available, will be forwarded to the Human Resources Representatives and will be available on the Office of Human Resources Web site at <http://www.ohr.psu.edu/benefits/benefits.htm>.

Public Information's News Bureau announces change in leadership

The Penn State News Bureau, part of the Department of Public Information, is getting a new look.

Effective June 1, Tysen Kendig will be manager. Amy Neil will be assistant manager and Gary Cramer will continue as an information officer. A search will begin shortly for a second information officer. Patty Taverno is news assistant.

The current manager, Christy Rambeau, will retire from the University on May 31, after serving 12 years with the News Bureau.

The News Bureau is one of several units in the Department of Public Information, which is directed by Bill Mahon. Other units are: Internal Communications and Intercom, managed by Annemarie Mountz; Science, Engineering and Research Communications group, managed by Vicki Fong; and Electronic Communications, managed by Melisande McCrae.

Kendig, who currently is assistant manager, will be responsible for the management of executive and administrative issues, needs and projects in providing public relations counsel, direction and services. He will administer the University's coverage of institutional missions in teaching, research and outreach, and monitor the placement and development of stories to attract local, regional and national media attention.

As manager, Kendig also will supervise the daily activities of the News Bureau and its staff, guiding the production of Penn State Newswire and responding to media requests for information.

A 1995 baccalaureate degree graduate of Penn State in journalism with a minor in geography, Kendig joined the University's public information staff in January 2000. He previously served as associate director of public relations at Rider University in Lawrenceville, N.J.; held reporting and editing posts at *The Trentonian*, a daily newspaper in Trenton, N.J.; and has been a free-lance contributor for several other local and national news and sports publications. As a Penn State undergraduate, Kendig wrote and edited for *Blue-White Illustrated* magazine and *The Daily Collegian*.

Neil, who has been an information officer in the News Bureau since July 2000, will become assistant manager.

She will be responsible for the development, implementation and management of promotional and communication strategies, editing press releases, statements and other forms of communication, and selecting targeted markets for distribution. She will help supervise the daily office activities of the department, including the production and dissemination of news to appropriate audiences and work with communicators in all the colleges and at all the campus locations.

Before joining the News Bureau, Neil was publicity and sales manager for the Penn State University Press, where she was the liaison between the national media and the

News Bureau manager to retire effective May 31

Christy Rambeau, manager of the News Bureau in Public Information, is retiring May 31 after nearly 12 years with the department.

She began working for the University in 1980 as a library assistant, writer and editor for the Pennsylvania Transportation Institute, Pattee Library and Cooperative Extension. In 1982 she joined Agricultural Information as a writer and

served as a writer-editor and as coordinator of news before joining Public Information in 1989 as assistant manager. She was named manager in 1994. She was an officer on the board of directors of the College and University Public Relations Association of Pennsylvania.

Rambeau also worked for the NDEA French and Spanish Language Institute and the O'Henry Prize Awards at Rutgers University and taught at the Philadelphia Theatre for Children in Philadelphia.

She attended Sarah Lawrence College, graduated from the University of Cincinnati and received a master's degree in regional planning from Penn State in 1980. She has been president of the Highlands Neighborhood Association, vice chair of the State College Borough Planning Commission, chair of the Borough Design Review Board and a member of the Borough Parking Authority.

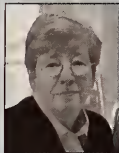
In retirement, she plans to do more gardening, travel and spend time with her family, including her granddaughter.

Press. She also wrote press releases and promotional materials, set up radio, television and print interviews for authors and organized book signings.

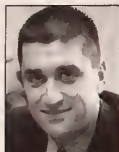
Neil is a 1990 baccalaureate degree graduate of Penn State in journalism.

Cramer joined Public Information as an information officer in February. He helps establish University-wide communications with academic and administrative units and provides advice on public information strategies. He writes and edits articles for traditional and electronic media, including the department's Newswires, and supports Web page development relating to news.

Cramer graduated from Penn State with a bachelor's degree in journalism in 1987. Before returning to Penn State, he was a farm and religion reporter for the *Lancaster Intelligencer Journal*.



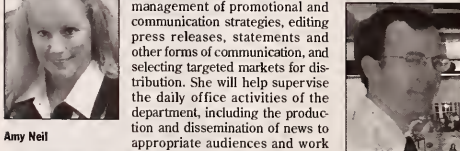
Christy Rambeau



Tysen Kendig



Amy Neil



Gary Cramer

LECTURES

Rural Health Conference planned for June 4-5

"2001: A Rural Health Odyssey" will be the theme for this year's statewide Rural Health Conference, which will take place June 4 and 5 at The Penn State Conference Center Hotel on the University Park campus.

The ninth annual conference, which is offered by the Pennsylvania Office on Rural Health and jointly sponsored by the College of Health and Human Development, Cooperative Extension and the state Department of Health, supports administrators, policy makers, providers and educators who are reaching out to enhance the health care of citizens in rural communities.

Seminar sessions include educational models on Medicare, nutrition, gerontology and palliative medicine. Researchers also will present studies on environmental issues, homelessness and impending nursing shortages.

Speakers include: Val Schott, president-elect of the National Rural Health Association; Helen Kissell Burns, state deputy secretary for health planning and assessment; Joseph May III, director of the state Department of Health's Bureau of Health Planning; and motivational speaker Leo Frangipane.

More program and registration information can be found on the Web at <http://pork.cas.psu.edu> or by calling (814) 863-8214.

Conference to focus on eating disorders on campus

"Eating Disorders on Campus: The Institutional Response" is the theme for a conference to be held June 8 and 9 at The Penn State Conference Center Hotel on the University Park campus.

Experts will focus on the latest developments in prevention and treatment of eating disorders among high school and college students. Student health and college counseling professionals — including psychologists, physicians, nurses, health educators, dietitians and secondary counselors and teachers — will find this program useful.

To receive a brochure, call (800) 778-8632 or visit the Web at <http://www.outreach.psu.edu/C&I/EatingDisorders>.

Composting bins donated for Master Gardeners workshop

The Penn State Master Gardeners of Centre County are conducting a free Composting Workshop and Compost Bin Distribution Program from 10 a.m. until noon Saturday, May 26, in the Ag Arena on the University Park campus.

The state Department of Environmental Protection donated 150 bins to the county for free distribution to county residents.

To register, call the Centre County Cooperative Extension office at (814) 355-4897 or e-mail name, address and phone number to CentreExt@psu.edu.

Going Away for the Summer?

Stay in touch with Penn State through the **Employee Newswire**. It's easy. Just go to the Web at <http://www.psu.edu/>

and click on the link under Announcements to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



From the Trustee Docket

IST making strides

In their first two years of activity, the faculty, staff and students of the School of Information Sciences and Technology (IST) affected improvements in information technology across the state that will continue at an even greater pace in the next year, IST's Dean James Thomas told the Board of Trustees.

As of May, IST had 72 faculty members at 19 campuses teaching a total of 2,572 students. In addition to these individuals were 400 "virtual students" enrolled in IST's online certificate programs, the most popular of which prepares students to become Webmasters through the World Campus.

For the full story, visit <http://www.psu.edu/ur/2001/bot11may01ist.html>.

Sanctions fair, students say

An informational report to the Board of Trustees by Joseph Puzucky, director of Judicial Affairs, outlined trends in the student misconduct cases at University Park and other Penn State locations brought before the office. Student response to the sanctions levied by the University in recent years is supportive.

The office conducted a survey of each student sanctioned for code violations between 1997 and 2000. According to Puzucky, more than 94 percent of respondents felt that they were treated respectfully, given fair opportunity to explain their behavior and offered sufficient options for resolving the situation. In addition, 96 percent felt the decisions of the office were fair, and 97 percent believed the University's punishment was fair and appropriate.

For the full story, visit <http://www.psu.edu/ur/2001/bot11may01judicial.html>.

Campus projects approved

The Board of Trustees approved action on a number of campus projects, including preliminary plans for an administration building at Penn State Beaver and final plans for a new student union building at Penn State McKeesport, an extramural research facility at The Milton S. Hershey Medical Center and an indoor swimming pool addition to the Capital Union Building at Penn State Harrisburg.

The board also approved the appointment of an architect for the addition to the Franco Building at the Berks campus and the purchase of an 18-acre parcel for Penn State Erie.

For the full story, visit <http://www.psu.edu/ur/2001/bot11may01opp.html>.

Goal raised to \$1.3 billion

Responding to the need for more resources to support students, faculty and programs, the Board of Trustees approved a recommendation to raise the goal of the University's seven-year fundraising campaign to \$1.3 billion. The original goal of the Grand Destiny Campaign, which began July 1, 1996, was to secure \$1 billion in private gifts.



An Extramural Research Facility will be built at The Milton S. Hershey Medical Center. The Board of Trustees approved the final plan at its recent meeting. This rendering shows the new addition extending into the foreground, left, which will be built onto the existing Animal Research Farm. That facility is shown on the right side of the artist's rendering.

According to a report to the trustees by Rod Kirsch, vice president for Development and Alumni Relations, the campaign had reached \$957 million in gifts and pledges as of April 30. The recommendation came from the Campaign Executive Committee, a group of about 50 alumni and friends that provides volunteer leadership for the campaign.

For the full story, visit <http://www.psu.edu/ur/2001/bot11may01campaign.html>.

Three join medical center board

The Board of Trustees approved the appointments of Steve A. Garban, I.J. Rowell Jr. and Gary C. Schultz to the

board of directors of The Milton S. Hershey Medical Center. Each appointment is for a three-year term ending June 30, 2004.

Garban is a member of the Board of Trustees and senior vice president of finance and operations/treasurer emeritus of the University. Rowell also is a member of the Board of Trustees and chairman of the board, president and chief executive officer (retired) of Provident Mutual Life. Schultz currently serves as the University's senior vice president for finance and business/treasurer.

For the full story, visit <http://www.psu.edu/ur/2001/bot11may01hmcboard.html>.

Alumni Association updates board

In an informational report to the Board of Trustees, Penn State Alumni Association President James Carnes discussed the organizational structure of the association, recent initiatives and its support of the mission of the University.

"New this year, as part of the association's mission to keep alumni connected to the University and each other, an effort to expand online services was initiated," Carnes said.

New electronic services include an online alumni directory, an e-mail forwarding service and creation of an Alumni Association portal, or entrance page to the Internet, which can include user-customized information about the University, local, national and world news.

For the full story, visit <http://www.psu.edu/ur/2001/bot11may01alumni.html>.

Hazleton master plan OK'd

The Board of Trustees approved a master plan for the Penn State Hazleton campus.

"Hazleton is a vibrant, growing campus that now has an opportunities plan (that) will provide a blueprint for logical development of the campus, as needed," said William J. Anderson Jr., assistant vice president for physical plant.

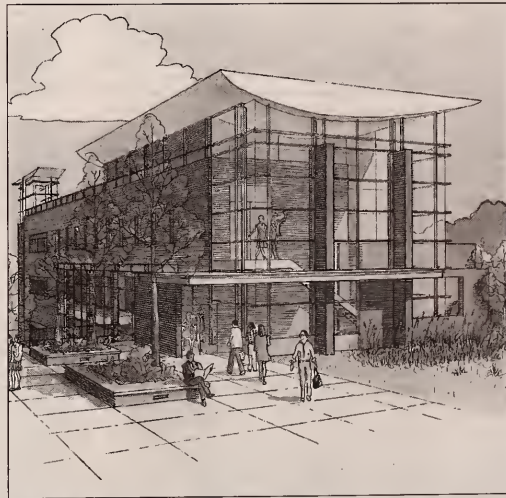
The community, faculty, staff and students were actively involved in the development of the plan and it has been presented and endorsed by the campus advisory board and local municipal officials.

For the full story, visit <http://www.psu.edu/ur/2001/bot11may01hazleton.html>.

New trustees elected

Alumni, delegates of agricultural societies and delegates of industrial societies elected two new members and re-elected five incumbents to serve on the University's Board of Trustees.

For the full story, visit <http://www.psu.edu/ur/2001/bot11may01elections.html>.



This sketch-plan image shows the new Administration Building for Penn State Beaver from the campus green space looking to the southwest. The Board of Trustees approved its construction at the group's recent meeting.



Student representatives of various faiths presented flowers to the speakers at the Pasquerilla Spiritual Center Inaugural Celebration. The flowers, which have since been planted outside Eisenhower Chapel, symbolize the different faiths that flourish under the same roof and will share the expanded center when it is completed.

Photo: Annemarie Mountz

Spiritual Center plans proceed on schedule

By ANNEMARIE MOUNTZ
Public Information

With the Pasquerilla Spiritual Center Inaugural Celebration completed, plans are proceeding on schedule for the project on the University Park campus.

Construction is expected to begin in late spring on the spiritual center, which is named in honor of the late Frank and Sylvia Pasquerilla of Johnstown. The couple provided the leadership gift of \$5 million for its construction.

J.J. Delucca, a company specializing in pre-construction, now has the plans and will be working with the University on the project, according to Rick Riccardo, project manager. Once the firm determines final costs, the project will go out for bids.

Construction will be handled through a general construction contract and should be under way by the end of June or beginning of July. Construction is expected to take roughly 18 months, making it likely that the building will be completed in late 2002 or early 2003.

The project includes renovations to the Helen Eakin Eisenhower Chapel as well as construction of the spiritual center addition that will be located between the existing chapel and Allen Road.

Because of the location of the addition, the University has had to take one parking lot off-line. Employees who had parked in Lot Green B, which is west of Eisenhower Chapel, will now find space in the additional Green B lots adjacent to Music Building II and the Business Administration Building as well as the Nittany Parking Deck near The Nittany Lion Inn.

In addition, it is possible that all of the occupants of Eisenhower Chapel may be inconvenienced at one time or another while renovation occurs in the older part of the building. Regularly scheduled meetings will be held to keep the staff informed of these disruptions.

According to planners, the new facility shows the strong commitment of the University to acknowledging the importance of spiritual growth as part of a complete education in a manner that recognizes the spiritual and cultural diversity of its student body.

"Religion plays an important role in University life," said Kenneth Clarke, director of the Center for Ethics and Religious Affairs. "It provides opportunities for fellowship, educational programming, worship and exploration of cutting-edge social and cultural issues."

Clarke said the new spiritual center is sending a strong message about how faith can be a part of intellectual life.

"I hope other public institutions will consider what's been attempted here and be encouraged to explore how campus spiritual centers can help their institutions and the nation face the challenge of educating good citizens and shaping character development in students," he said.

The building, designed by James Oleg Kruhly and Associates of Philadelphia, emphasizes the experience of an inspiring volume of space and the importance of light. The first floor features a two-story core worship area that can accommodate roughly 400 people, and three adjoining chambers with an additional 350 seats that can be opened to the main area or closed off as separate rooms. The complex will include several other program rooms that can be used for prayer, worship or other functions; two kitchens, one of which will be kosher; administrative offices; and ample gathering space outside worship areas. An elevator will be added to provide alternate access to second-floor offices and to the basement-level Frizzell Room, and a new entry to the Frizzell Room will be created off the main lobby of the expanded building.

A unique feature of the complex will be a masonry light tower, signifying light as a common thread to many of the close to 40 religious groups registered on the campus. The tower will be at the center of an expanded courtyard, which will tie together the existing building and the addition. The finished project will more than double the space available to the groups.

In addition to the Pasquerilla gift, Joe and Sue Paterno have given \$1 million, as have Bill and Joan Schreyer. The estimated \$9 million expansion and renovation project will be supported solely by private funds, as was the original Eisenhower Chapel in 1956 and the first addition to the chapel in 1976. More than \$8 million has been raised so far for the project.

Annemarie Mountz can be reached at
AMountz@psu.edu.

Students' pledge boosts endowment

By STEVE INFANTI
The Smeal College of
Business Administration

Nearly three years ago, Bebagio Lugogo was attending Smeal College's Diversity Appreciation Weekend when he heard an alumnus say, "The greatest ambition in life is not to stand on top of the world. It is to reach down and lift up your people."

Lugogo wrote down those words on a sheet of paper. He watched as members of the college's Minority MBA Association announced during the evening that they had pledged portions of their signing bonuses and starting salaries to the "Vernis Welmon Endowment for MBA Minority Affairs and International Programs."

The Blacksburg, Va., resident made up his mind that evening he was going to enroll in the Smeal MBA Program. Now the second-year MBA student is getting ready to graduate. He still carries that sheet of paper with the alumnus' words in his wallet. He also is one of seven members of the Minority MBA Association who recently pledged \$14,000 to the "Vernis Welmon Endowment for MBA Minority Affairs and International Programs."

"My visit during the Diversity Appreciation Weekend was inspirational, and it is one of the reasons I'm doing this today," says Lugogo, who recently accepted a position as a senior buyer/commodities specialist with Intel Corp. in Phoenix, Ariz.

The other second-year MBA students who pledged to the scholarship are Tiffany M. Brown, Monique A. Brown, Leslie A. Jackson, Tony D. Scott, Stephanie D. Vollowitz and Tami F. Walton.

"My pledge was motivated by my desire to increase the number of talented minorities in the MBA program. Since the nationwide minority pool already is small, offering competitive funding is essential. My hope is that my pledge will facilitate reaching that goal," said Vollowitz.

Leslie Ann Jackson notes that Penn State gave her a new start and that's one of the reasons she contributed.

"The small class size, and the professors' care and concern have enabled me to learn the skills I need in my 'new start.' I wanted to give back a fraction of what Smeal has given me," said Jackson, who has accepted a marketing position with Ford.

The endowment is named in honor of Vernis Welmon, assistant to the dean for Diversity Enhancement and International Programs in Smeal College. It was established in 1999 through a \$100,000 pledge by Smeal College alumnus Harvey Kimmel and his wife, Virginia. Since that time, members of the Minority MBA Association in Smeal College have pledged portions of their signing bonuses and starting salaries to it.

"Our students have demonstrated their generous spirit with their commitment to helping others in need. They have set an outstanding example for all of us to emulate. This small, but dedicated, group has made all of us proud to be a part of the Smeal College family," said Welmon.

Welmon is recognized as a key to the development of ethnic diversity in The Smeal College MBA program over his 15-year tenure. He is a popular teacher of international business and has been honored for his outstanding student advising. The programs of recruitment, retention and alumni relations that he has led have benefited hundreds of minority MBAs and have contributed to Smeal's national reputation for leadership in these efforts. He also has undertaken similar work as part of University-wide committees.

"The students' contributions show the kind of commitment to the MBA program that they have. This is more than a group out to get a degree. It is, rather, a fellowship of special individuals who are committed to each other and the program they love and Vernis, who inspires all of us," said Harvey Kimmel.

Penn College's mobile unit to train auto-body shops on DEP regulations

Over the next four years, a mobile training unit operated by Pennsylvania College of Technology will travel around the state, showing auto-body shops how to comply with new air-quality regulations and boost profits in the bargain.

The Pennsylvania Spray Technique Analysis and Research (PennSTAR) initiative is being sponsored by the state Department of Environmental Protection, which awarded a \$500,000 grant to Penn College's Technology Transfer Center to facilitate the on-site training of spray-paint technicians.

DEP's Mobile Equipment Repair and Refinishing regulations took effect in November, requiring all businesses that spray-paint vehicles to use more efficient spray guns and to clean the guns in enclosed containers. Employees of all such facilities in the state will be required to complete 12 hours of training in the proper use of coatings and solvents. The regulations will help reduce emissions of volatile organic compounds and hazardous air pollutants, but they provide another benefit, as well.

"The technician training also will help increase paint-transfer efficiency, resulting in less cost for materials and reduced waste," explained Al Thomas, who heads the automotive and auto body departments at Penn College, where he is associate professor of collision repair.

The training, which will be conducted by Penn College faculty from the School of Transportation Technology and the Technology Transfer Center, will demonstrate advanced spray techniques that decrease the amount of paint needed to refinish vehicles. Other aspects of the training will address materials and waste management, proper cleaning of equipment, equipment testing and evaluation, proper handling and transfer, air-quality regulations and certificates and record-keeping.

The mobile unit will perform a variety of on-site tests and doc-



Penn College's mobile training unit is providing mandatory training for employees of businesses that spray-paint vehicles, giving them hands-on experience using the more-efficient spray guns now required by the state Department of Environmental Protection.

ument each paint technician's efficiency.

For more information about the program, call (570) 329-0995 or e-mail pennstar@pct.edu. The state Department of Environmental Protection Web site is <http://www.dep.state.pa.us/>.

\$460,000 grant links Pennsylvania with South African university

The University Office of International Programs (UOIP) has received a \$460,000 grant from the Tertiary Education Linkage Program (TELP) on behalf of the Pennsylvania Academic Consortium, which is composed of the University, the University of Pittsburgh and Lincoln University.

The grant is to form and enhance a partnership with South Africa's University of Durban-Westville. The main goals of the consortium are to design participatory professional development, research, faculty exchange and capacity-building initiatives to enhance Durban-Westville's institutional management and academic leadership, and to extend Pennsylvania's engagement in the international arena.

The grant is part of the second cycle of linkages under the TELP umbrella.

The grant is part of the second cycle of linkages under the Tertiary Education Linkage Program umbrella.

Khalifa Bility, head of UOIP's International Partnerships and Academic Linkages, coordinated the consortium's application for the award, which is part of a series of grants designed to form partnerships between American universities and historically disadvantaged universities and technical colleges in South Africa.

The grant is underwritten by the U.S. Agency for International Development.

The partner institutions plan to develop a three-year program to enable Durban-Westville to implement its strategic plan. The project will focus on the management of institutional change; faculty, staff and student development; fiscal and enrollment management; and research and evaluation.

The consortium envisions that the program will take place over three years in four phases. Phase one will zero in on the university's management, administrative and strategic-planning needs; phase two will include an administrative fellowship program at PAC institutions; phase three will consist of in-service professional development and training at UDW; and phase four will cover research, evaluation and collaborative initiatives to continue after the grant.

PENNTAP aided 500 firms, gave \$11.4 million in benefits in 2000

The University's Pennsylvania Technical Assistance Program (PENNTAP) provided 640 cases of technical assistance to 500 businesses in all 67 counties in 2000.

Nearly half of the businesses were in counties designated as economically distressed, noted Jack Gido, director of PENNTAP. According to a year-end report, PENNTAP clients reported \$11.4 million in economic benefits including cost savings, sales increases and capital investments. More than 100 jobs were created or saved as a result of PENNTAP assistance. The program reported a 99 percent client-satisfaction rate.

Also in 2000, PENNTAP initiated an e-business assistance service and helped 80 companies in 30 counties with online business, Web sites, Internet service providers, domain registration, search engine registration and positioning.

PENNTAP, a statewide network of technical specialists, helps Pennsylvania businesses improve their competitiveness by providing free technical assistance and information to help resolve specific technical questions or needs that can be addressed within a limited amount of time.

The program focuses on helping smaller businesses that normally do not have the in-house expertise or time to resolve specific technical questions or needs. Last year, 70 percent of PENNTAP's clients were businesses with fewer than 50 employees.

Serving Pennsylvania business and industry since 1965, the program is a federal-state-university partnership for economic development and one of the nation's first technical assistance programs.

For information, assistance or a copy of the annual report, e-mail pennnap@psu.edu or check the Web at <http://www.pennnap-psu.edu/>.

The program reported a 99 percent client-satisfaction rate.

Indoor track dedicated to alumnus Olympic gold medalist

Penn State officials recently dedicated the 200-meter indoor track at the University's Multi-Sport Facility in honor of Olympic gold medalist and alumnus Horace Ashenfelter and his wife, Lillian, of Glen Ridge, N.J.

The naming of the Horace Ashenfelter III Indoor Track recognizes both Ashenfelter's athletic prowess and the couple's generosity. Ashenfelter won the gold medal in the 3,000-meter steeplechase, setting a

new world record, in the 1952 Olympic games in Helsinki, Finland. While at the University, he was the NCAA two-mile champion in 1949 and finished second in the 1947 NCAA cross-country championships.

The Ashenfelters recently made a major financial gift to University's Department of Athletics, to benefit the track and field program.

Horace Ashenfelter entered Penn State

in 1942, and then joined the U.S. Air Force a year later, serving as a fighter pilot before resuming his studies and obtaining his degree in physical education in 1949. He became an FBI agent in 1950, and returned to Penn State for a master's degree, which he received in 1955. He left the FBI in 1959 for a job with Englehard Industries, a precious-metal refining and processing company, and remained in the precious-metals industry until he retired in 1993.

In 1952, the year he won the Olympic gold medal, Horace Ashenfelter was the recipient of the James Edward Sullivan Award, given to the nation's top amateur athlete. He also competed in the 1956 Olympics.

He received All-America honors four times and won 15 gold medals in AAU championships. In 1975 he was inducted into the National Track and Field Hall of Fame.



Arts & Entertainment

Juried exhibit to open

"Images 2001," a juried group exhibit sponsored by the Central Pennsylvania Festival of the Arts, will be exhibited June 19-July 19 at the Robeson Gallery of the HUB-Robeson Center on the University Park campus.

A reception will be held at 6:45 p.m. June 22 at the gallery.

The exhibit consists of paintings, drawings, hand-pulled prints, photography, mixed media and small sculpture. The show was juried by Frederick R. Brandt, curator of the Sydney and Frances Lewis Collection of Postwar Painting and Sculpture and consulting curator of 20th Century Design and Decorative Arts at the Virginia Museum of Fine Arts, both in Richmond.

Music at Penn's Woods

Gerardo Edelstein will be music director for the Music at Penn's Woods 2001 festival, which features the theme "Continental Encounters."

The conductor served with the Richmond Symphony and Virginia Commonwealth University, winning first prize for innovative music programming from the American Society of Composers, Authors and Publishers.

The festival includes a new ticketing system, Admission Passports. The passport costs \$24 a person and is good for admittance to all symphonic concerts. Individual tickets cost \$12 for adults and \$4.50 for students.

All concerts will be held at Eisenhower Auditorium on the University Park campus.

The schedule is as follows:

- Friday, June 29: 7:30 p.m., chamber concert
 - Saturday, June 30: 7:30 p.m., festival orchestra, "European Souvenirs";
 - Sunday, July 1: 3 p.m., chamber concert
 - Thursday, July 5: 7:30 p.m., festival orchestra, "The Challenge of Colors";
 - Saturday, July 7: 7:30 p.m., festival orchestra, "Let's Tango";
 - Sunday, July 8: 3 p.m., chamber concert
 - Thursday, July 12: 7:30 p.m., chamber concert
 - Friday, July 13: 7:30 p.m., chamber concert
 - Saturday, July 14: 7:30 p.m., festival orchestra, "Beethoven's Best."
- Call (814) 863-0255 or (800) ARTS-TX for tickets. All chamber music concerts are free.

Tintypes exhibited

A selection of 19th-century American tintypes will be exhibited through Aug. 15 in the B and H. Hensch Photo-History Collection Exhibit Room in 201A Pattee Library on the University Park campus.

The exhibit is drawn from a teaching collection on the social history of photography.

For information, call Sandra Stelts at (814) 865-1793



"Comfy Cozy" is a working display of muslin pillows printed with copies of pages from books in the Paterno Family Humanities Reading Room, second floor Pattee Library on the University Park campus. Created by Harry Hacker, a graduate student in the School of Visual Arts, the pillows will remain for use in the reading room until July 1.

Hey, hey, it's the Monkees and Dennis Miller

The Bryce Jordan Center on the University Park campus will roar with laughter and resonate with some daytime believing this summer when a Comedy Series and the Monkees both hit town.

Miller will headline a Comedy Series that begins with his performance at 8 p.m. Thursday, June 14. Miller is host of a half-hour, live talk show, HBO's "Dennis Miller Live," now in its seventh season. He also will be behind the mike for a second season as the color commentator on ABC's "Monday Night Football."

The series continues with the Comedy Central Night featuring Lewis Black, Greg Giraldo, Eddie Ifft and Todd Barry at 8 p.m. Saturday, July 7, and concludes with the Laf Arts Festival featuring Bobcat Goldthwait, Robert Schimmel, Wendy Liebman and Kevin Meany at 8 p.m. Saturday, Sept. 8.

Tickets for the entire series are \$79.50 and \$66.50. Tickets are \$39.50 and \$32.50 for Miller's performance, \$27.50 and

BRYCE JORDAN CENTER

\$24.50 for the Comedy Central Night and for the Laf Arts Festival.

The Monkees will perform at 7:30 p.m. Sunday, July 1.

The '60s band had hits with "Last Train To Clarksville," "I'm A Believer," "A Little Bit Me, A Little Bit You," "Daydream Believer," "Valerie" and "Pleasant Valley Sunday."

Joining the Monkees will be Natural, which recently signed with Lou Pearlman. Pearlman is famous in the music industry for developing the pop groups NSYNC and the Backstreet Boys.

Tickets are \$35.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555, or online at <http://www.bjc.psu.edu/>

Library exhibits

A number of exhibits are taking place over the summer in Pattee and Paterno Libraries on the University Park campus. Shows include the following:

■ "The Great Exhibition of 1851: The Charles W. Mann Jr. Crystal Palace Collection," through Aug. 1, The Eberly Family Special Collections Library, 104 Paterno Library.

■ "Pennsylvania Amusement Parks: The Charles and Betty Jacques Amusement Park Collection," through Aug. 15,

The Eberly Family Special Collections Library, 104 Paterno Library.

■ "The Digital Photography Studio, Student Photographs," extended to Aug. 10, the Candace and Patrick E. Malloy III Diversity Studies Room, 109 Pattee Library.

■ "Overlooked Visions of the Past Century," from the University Libraries by Caroline Russo, extended to Aug. 10, the Candace and Patrick E. Malloy III Diversity Studies Room, 109 Pattee Library. For information about exhibits, call (814) 865-0401.

UNIVERSITY PARK CALENDAR

May 25 - June 9

SPECIAL EVENTS

Friday, May 25

Romeo and Juliet, Shakespeare at the Palmer, Wilson Hutton, adaptation, Charles Dumas, director, 6 p.m. May 25, 2 and 6 p.m. May 26, outdoor plaza, Palmer Museum of Art.

Friday, June 1

"From Main Street to Moscow: Pennsylvania Prints," gallery talk by Jennifer Noonan, 1 p.m., Palmer Museum of Art.

Twelfth Night, Shakespeare at the Palmer, adapted and directed by Bob Barton, 6 p.m. June 1, 2, 3, 8, 9 and 10; 2 p.m. June 2, 3, 9 and 10; outdoor plaza, Palmer Museum of Art.

Saturday, June 2

"Drop-In," gallery talk, 2 p.m., Palmer Museum of Art.

Sunday, June 3

Act Out! Shakespeare at the Palmer, 1 p.m. June 3, 10, 17, 24, Palmer Museum of Art.

Friday, June 8

Little Shop of Horrors, composed by Miles Goodman, Alan Menken and Howard Ashman, The Playhouse, through June 16. For tickets, call (814) 863-0255.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Sightseeing: A Space Panorama," photographs from NASA space missions, through Aug. 21.

"Three Award Winning Medalists," by Jeanne Stevens-Sollman, Leonardo Fike and Karen Worth, through Sept. 16.

"Anodyne," prints by Stephen E. Nelson, through Sept. 24.

Kern exhibit area

"81nd Spots," photography by Denton W. Smith Jr., through Aug. 12.

North Halls exhibit area

Photographs by Jake Waldman, through Sept. 16.

Pattee and Paterno Library exhibit areas 19th-century American tintypes, through Aug. 15.

"The Great Exhibition of 1851: The Charles W. Mann Jr. Crystal Palace Collection," through Aug. 1.

"Pennsylvania Amusement Parks: The Charles and Betty Jacques Amusement Park Collection," through Aug. 15.

"The Digital Photography Studio, Student Photographs," through Aug. 10.

"Overlooked Visions of the Past Century," through Aug. 10.

"Sightseeing: A Space Panorama," through Aug. 20.

Rittenour Center

"Secret Strengths," photos by Rebecca Porter, through Sept. 12.

Willard

"Color, Light, Line," abstract paintings and drawings by Veronique Foti, through Aug. 10.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Special hours

In recognition of Traditional Reunion Weekend, the Special Collections Library exhibit room, 104 Pattee Library on the University Park campus, will be open to the public from 10 a.m. to 4 p.m. Saturday, June 2.

La Vie yearbooks will be available for alumni viewing.

Textile art commissioned

The Central Pennsylvania Festival of the Arts seeks to commission textile art on behalf of the Pattee and Paterno libraries on the University Park campus.

The piece will hang in the multi-story lobby of the Paterno building where the circulation desk is located. The commission will be worth \$36,000.

Interested artists must submit a letter of interest, slides and a resume. Entries must be postmarked by June 8. A panel of artists and arts administrators will evaluate the submissions. Three artists will be engaged to produce preliminary designs and one of the finalists will be chosen to produce the work. For information, call (814) 237-3682 or e-mail office@arts-festival.com.

Programs funded

The Equal Opportunity Planning Committee will fund 25 programs during the summer and academic year 2001-2002 that enhance the University's diversity efforts.

The goals of these programs are aligned with the seven challenges identified in "A Framework to Foster Diversity at Penn State: 1998-2003." Programs target current and prospective students and University faculty and staff. For a complete program listing, visit the Web site at <http://www.lions.psu.edu/eopc/programs.html>.

Web site supports caregivers

The Penn State Gerontology Center has unveiled CaregiverPA, a Web site that provides information and support for Pennsylvanians caring for older friends and family members.

The resource, which can be found at <http://caregiverpa.psu.edu/>, supplies information on specific caregiving services provided in all 67 counties; an online Daily Tasks Appraisal to assist caregivers with assessing their elders; a glossary of approximately 300 caregiving terms and/or acronyms; a self-help tools section that includes support groups, caregiving reference materials and links to other caregiving sites; an online edition of the Pennsylvania Department of Aging's Guide for Family Caregivers of Older Pennsylvanians; and a Frequently Asked Caregiving Questions section arranged by topical area. The site also features larger fonts so older adults can read it more easily.

The Web site was developed by the Gerontology Center under a subcontract with the SPRY (Setting Priorities in Retirement Years) Foundation with funds provided by the U.S. Administration on Aging.



Eight students in an Architecture 132: Basic Design Research class designed and built a hardwood display case and planter, which now resides in the Architecture Library, 207 Engineering Unit C building on the University Park campus. The display case, which will be used to exhibit design books and other library materials, and planter are the end-product of an assignment asking students to design and build a piece of furniture.

Photo: Greg Grieco

Pattee stacks renamed

The floors in central Pattee Library on the University Park campus, referred to as the stacks, have been renamed B, BA, 1, 1A, 2, 2A and 3.

New signs will be posted and the changes will be reflected in the CAT, the online catalog in LIAS.

MediaTech relocated

MediaTech Repair Services, formerly in 1 Mitchell Building on the University Park campus, has moved to the Special Services Building on Fox Hill Road.

Staff members Jim Schomer, Dave Bagley, Jeff Jenkins, Mike Jessup, Denny Harter, Lee Karchner and Rick Woodring are at the new location.

All campus and college equipment services will be processed there. For directions to the Special Services Building, check the Web at <http://www.libraries.psu.edu/mstssbdirections.html>.

The campus mailing address is: Spec. Svcs. Bldg. The

United Parcel Service or U.S. Postal Service mailing address is: 1127 Fox Hill Road, State College, Pa. 16803-1824.

The phone remains unchanged at (814) 863-4389; the new fax number is (814) 863-2574.

For information, call Becky Carolus at (814) 863-3101.

For the Record

■ Robert O'Connor, associate professor of political science, is one of the researchers for the Environmental Resources Research Institute. Due to a source error, his academic title was incorrect in an article on page 11 of the May 10 *Intercom*. Also, natural scientists and social scientists will join forces on an integrated assessment of watersheds on the Atlantic Slope. The identity of the researching units was unclear in the same article.

■ William Kelly, head of the Department of Integrative Arts, is not the first person to hold that title. Due to a source error, incorrect information was printed in an article on page 10 of the May 10 *Intercom*.

Team of students to compete at FutureTruck competition on June 4

BY JENNIFER HICKS

Pennsylvania Transportation Institute

Students from the Society of Automotive Engineers and the Pennsylvania Transportation Institute have been invited to bring the Power Lion, a hybrid electric vehicle, to the week-long 2001 FutureTruck competition starting June 4 at the General Motors Proving Ground in Milford, Mich.

This engineering competition challenges more than 250 students from 15 proposal-selected North American universities to re-engineer a conventional, new, full-size 2000 model Chevrolet Suburban into a low-emission and high-efficiency vehicle. While re-engineering the vehicle, the students must

keep the same performance, utility, safety and affordability that consumers seek in a sport utility vehicle.

Students in Hybrid Electric Vehicle Lab class have been exploring cutting-edge automotive technologies such as fuel cells and advanced propulsion systems. They also have been using space-age materials and alternative fuels such as biodiesel and oxygenated diesel ethanol and hydrogen.

According to Joel Anstrom, graduate assistant in the College of Engineering, the re-engineering project can be compared to a "small car company, where there is a budget, organizational structure, etc." Anstrom said that nearly 50 PTT graduate and undergraduate students have worked on the Power Lion this year. He pointed out that it may take 48 hours

to build one vehicle on a manufacturing assembly line, but it takes nearly 20,000 man-hours or 10 man-years to build a prototype vehicle kit like the Power Lion.

Competition awards in more than 25 categories will be announced June 13 at the Smithsonian National Museum of Natural History in Washington, D.C. Results will be posted on the FutureTruck Web site at <http://futuretruck.honda.at.net>. All of the students working on the Power Lion also are members of the Penn State Society of Automotive Engineers and will take the SUV to competition this summer as a Society of Automotive Engineers Team.

Jennifer Hicks can be reached at jah46@psu.edu



Private Giving

Leading the Way The Faculty and Staff Campaign 2001



"The Shirley Hendrick Renaissance Scholarship honors a longtime colleague and benefits future Penn State adult learners, so it was an easy decision for my wife and me to support it. Since beginning my Penn State career, I have worked to serve adult learners through my roles with Continuing Education. Ellen and I

believe strongly in the importance of providing support to Penn State through a number of programs and units that

are important to us such as the Special Populations Swim Program, the Shaver's Creek Environmental Center, the College of Arts and Architecture, as well as WPSX and WPSU. This is a remarkable University, doing so much good. We are blessed to be able to invest in its future."

— Jim Campbell, interim director of Outreach Operations in Continuing Education, has been with Penn State for 27 years. His wife, Ellen, is a teacher in the State College Area School District.

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaystoGive/AnnualFund/facultystaff.asp>

Exelon gives \$100,000 to nuclear engineering

As part of its continued commitment to nuclear engineering education, Exelon Corp., formerly PECO Energy Co., presented \$100,000 to the University's nuclear engineering program during a recent ceremony on the University Park campus.

The donation fulfills the second year of a three-year pledge that includes 10 undergraduate student scholarships of \$4,000 annually, \$20,000 annually for equipment and laboratory needs and \$5,000 per year for outreach and continuing education activities. The remaining funds are dedicated to the Exelon Endowed Scholarship in Nuclear Engineering, a permanent fund

to benefit future generations of undergraduate nuclear engineering students.

The College of Engineering and its nuclear engineering program have had a mutually beneficial relationship with PECO Energy, and now Exelon, since the 1970s.

Exelon Corp. was created by the merger of PECO Energy and Unicom in October 2000 and is one of the nation's largest electric utilities. Exelon Nuclear, a unit of Exelon Corp., is the largest operator of nuclear plants in the U.S. and the third-largest in the world. The group includes 10 stations and 17 nuclear units in Illinois, Pennsylvania and New Jersey.

Distinguished alumnus honored with endowment

A \$1 million gift to the University Libraries will honor Distinguished Alumnus Fletcher L. Byrom and create an endowment for acquisitions and programming at the Earth and Mineral Sciences Library.

The Board of Trustees will be asked to name the library the Fletcher L. Byrom Earth and Mineral Sciences Library.

The gift comes from George Middlemas, a 1968 graduate who serves as volunteer chair of the Libraries Campaign Committee, part of the University-wide Grand Destiny fund-raising campaign. Byrom was a friend and mentor to Middlemas.

Byrom, who received his degree in metallurgy in 1940, is retired chairman and chief executive officer of the Koppers Co. and Standard Brands Paint Co. He served on Board of Trustees from 1970 to 1973 and was named a Distinguished Alumnus in 1963.

The endowment will be named the Fletcher L. Byrom Earth and Mineral Sciences Library: Program and Collections Endowment.

"The endowment will support the purchase of books, journals, electronic databases, software and other materials and technologies that meet the needs of the patrons of the EMS library," said Nancy Eaton, dean of the University Libraries. "In addition to strengthening our collections, income from the endowment also will be used for special programs and other services and scholarly activities as the need arises."

George Middlemas is a managing general partner of Apex Investment Partners, a venture capital firm. He earned his bachelor's degree in history and political science.

Alumni couple endow a scholarship in the College of the Liberal Arts

Linda and Jonathan Strumpf of Sands Point, N.Y., have given \$125,000 to endow the Linda Brodsky Strumpf and Jonathan A. Strumpf Scholarship in the College of the Liberal Arts.

The Strumpfs graduated from the University in 1969, Linda with a degree in economics and Jonathan with a degree in psychology. She also received a master of business administration degree from New York University and he completed his doctoral degree in psychology at NYU.

Jonathan Strumpf has been an educator his entire career as a school psychologist. Linda Strumpf is vice president and chief investment officer of the Ford Foundation, managing a portfolio of about \$14.5 billion.

The University named Linda a distinguished alumna in 1999 in recognition of her outstanding achievements in personal, professional and community service. She is a member of the University's Investment Council and the College of the Liberal Arts Development Council.

Non-lethal weapons testing proves many inaccurate

By TYSEN KENDIG
Public Information

In the five decades since the inception of the University's Applied Research Laboratory (ARL) as a Navy-sponsored research organization, priorities within the defense industry have gradually expanded from preparing for war to also keeping the peace.

As a visionary leader in national defense technologies, the ARL refocused some of its own efforts toward minimal force military options designed for conflict resolution and humanitarian assistance. However, lost in this initiative at an international level was the equally vital needs of law enforcement, as maintaining domestic law and order continues to be a more widespread and challenging task than many foreign peacekeeping military missions.

For police, non-lethal arms are integral in filling the gap between oral warnings and the use of deadly force when faced with violent offenders. Recognizing this, the ARL adapted yet again to the needs of society. The laboratory's Institute for Emerging Defense Technologies completed an attribute-based evaluation of the effectiveness of non-deadly munitions currently on the market for use by police agencies.

Civilian applications

"Since the ARL's involvement with the study of non-lethal munitions, the focus—both in terms of research dollars and in national conferences on the topic—has been on the military," said John Leathers, interim dean of the Commonwealth College and special assistant to the provost. "The institute was the first to recognize law enforcement's stake in this, and bring attention to the issue of civilian applications for non-lethal weapons."

To map a course for increasing awareness and development in this arena, Leathers collaborated with the Los Angeles County Sheriff's Department in bringing together top law enforcement practitioners who have extensive experience in the use of less-than-lethal weapons. Representatives from as far away as the United Kingdom joined in the three-day dialogue.

"The objective was to provide a forum for law enforcement professionals to address issues of interest to them concerning the development of minimal force options," said Andrew Mazzara, retired Marine Corps colonel and current director of the Institute for Emerging Defense Technologies. "We're looking at this as an initiating activity toward larger efforts focused on law enforcement and its needs."

ARL the centerpiece

The ARL study was a centerpiece of discussion. It evaluated the effectiveness of extended-range minimal impact munitions, many of which have only been on the market since 1995. Examples of these devices include pellet-filled bean bags, rubber batons and bullets, pepper balls and other "soft" projectiles of varying

Research debunks preconceptions of crowd behavior

By TYSEN KENDIG
Public Information

Capt. Charles "Sid" Heal makes a living at the heart of urban maelstroms.

As commander of the special enforcement bureau and S.W.A.T. unit for the Los Angeles County Sheriff's Department, Heal has seen the worst in disorderly crowd conduct—ranging from occasional disturbances that boil into the streets, to the catastrophic destruction that shook Los Angeles and an entire nation one April evening in 1992.

Unfortunately, Heal is not alone in having to protect life and livelihood from mob activity. He and colleagues in law enforcement around the world are faced with the age-old dilemma of controlling lawless crowd behavior without inflicting unnecessary risk of injury upon participants and police alike—and facing subsequent criticism for the levels of force used.

A recent gathering at University Park of selected police professionals from across the country and across the ocean examined the issue of crowd control. The three-day program touched on the results of a new study conducted by the Applied Research Laboratory's (ARL) Human Effects Advisory Panel, which researched the dynamics of crowd behavior.

shapes and sizes—all intended to incapacitate resistant criminal suspects without causing permanent injury or death.

The tests helped determine the extent of force with which various devices strike a target and also their accuracy from varying ranges of deployment. The Los Angeles Sheriff's Department supplied the manpower, while the University provided the test equipment and the data collection and evaluation effort. The test site consisted of a shooting range with a ballistic pendulum target wired to computers to gauge force of impact and several high-speed cameras mounted at various angles to capture the instant of impact on film.

Overall deficiency in accuracy

"We tested several non-lethal weapons to identify accuracy and imparted momentum," said John Kenny, associate research engineer in the ARL, principal investigator for the organization's Human Effects Advisory Panel, and the leader of this evaluation. "However, we are not able to predict injury or incapacitation levels to individuals from the results. Our intent is not to make recommendations on certain munitions, but to guide law enforcement in making their own decisions."

The tests revealed an overall deficiency in the accuracy of most weapon launchers fired from a comparatively close range of 21 feet, with some projectiles missing the target. As expected, accuracy decreased at greater distances; from 75 feet, only half of the munitions designed for that range hit the target.

The study, released in conjunction with a related attribute-based evaluation of less-than-lethal impact munitions used in law enforcement, was conducted by a panel of law enforcement professionals and scientists. The panel's research surprisingly debunked several stereotypical preconceptions of crowd behavior.

- Crowds are not made up of isolated individuals, but companion clusters—groups that arrive and leave together;
- Crowds are not unanimous in nature;
- People in crowds do not necessarily assume anonymity;
- Crowds do not cripple an individual's cognition—one still has responsibility for actions;
- Crowd behavior has a defined process—a beginning, middle and end;
- Crowds are not uniquely distinguished by violence.

The panel also identified four different types of riots that help measure the emotional involvement and resolve of a crowd: communal, which is nationalist or religion based; commodity, centering around vandalism and looting; celebration, usually involving a sports result; and protest.

Awareness of the nature and motive behind a riot are helpful in police prepa-

ration for a disturbance and determination of the level of force that might be required to control it. However, the study recommends dialogue over force as the most effective means of quelling a volatile group.

"Crowd control continues to be a driving factor in the non-lethal weapons development initiative," said John Kenny, associate research engineer in the ARL and principal investigator for the study. "However, we believe effective crowd control relies on prevention and negotiation rather than confrontation."

Participants from the United Kingdom, who continue to witness revolt in the streets of Belfast, Northern Ireland and have seen countless post-soccer game melees, agreed with that assessment.

"A better course of action is negotiating and planning, not adding more police, barriers, and an overall sense of authority," said Graham Hatfield, superintendent and tactical operations commander for the Kent County Constabulary in Kent, UK. "The more people feel confined and suppressed by authority, the more emotional and incited they become."

Tylen Kendig can be reached at tylen@psu.edu

lethal weapons," said Colin Burrows, superintendent in the Royal Constabulary of Northern Ireland. "The idea by Penn State to bring together people involved in officer safety, crowd control and weapons development was not only exciting, but important and valued."

Forum evolution sought

Such feedback has not been lost on Leathers, who would like to see this forum evolve into an international symposium geared specifically toward law enforcement. Unlike existing conferences that emphasize military applications for minimal force and are inundated with vendors, special interest groups and other outside agents, Penn State organizers would like to keep the focus on the sharing of thoughts, concerns and ideas among the people directly charged with keeping the streets safe.

"Unlike groups that organize existing conferences in the field and include outside vendors, we're not in the business of buying, selling or advocating anything," said Leathers. "We're in the business of saving life, saving injury and saving property, and exploring the most effective means to accomplish this mission."

For information on the Institute for Emerging Defense Technologies and a link to the entire results of the attribute-based study on less-than-lethal, extended-range impact munitions, go to <http://www.arl.psu.edu/areas/defensetech/d/defensetech.html> on the Web.

Tylen Kendig can be reached at tylen@psu.edu.

Groundbreaking step

Overseas representatives, including constables from England, Wales and Northern Ireland, agreed that the study and accompanying assembly of police professionals was a groundbreaking step in enhancing the development of these types of weapons.

"This is the first time to my knowledge that law enforcement practitioners and scientists have come together on an international level to review requirements and assign priorities for the use of less-than-



Appointments

Hendrickson named associate dean in College of Education

Robert Hendrickson, professor of higher education, has been named associate dean for graduate studies, research and faculty development in the College of Education, effective July 1. Hendrickson has served for the past seven years as head of the college's Department of Education Policy Studies.



Robert Hendrickson

Hendrickson received his bachelor's degree from North Dakota State University, a master's degree in education (student personnel administration), and a doctorate in higher education with a minor in law from Indiana University. His areas of expertise include legal aspects of higher education and organization and administration theory in higher education. He has published numerous articles in a number of journals, chapters in books and co-authored three monographs. He also authored a book on legal aspects of higher education that is in its second edition.

Hendrickson is involved actively in the Association for the Study of Higher Education, the Education Law Association and the American Educational Research Association, Division J. He also is on the editorial boards of several journals and the Board of Directors of the Education Law Association.

As associate dean, Hendrickson will work to increase the external funding coming in for research; foster collaborative research projects across programs within the college; encourage faculty of the college to get more involved in the research agenda of the Consortium on Children, Youth and Family; continue to strengthen the college's graduate programs; and carefully assess assistantships and fellowships in the graduate program to make sure the college is competitive with other leading institutions throughout the country.

Professorship endowed to study inflammatory bowel disease

Walter A. Koltun was named the Peter and Marsha Carlino professor in inflammatory bowel disease at The Milton S. Hershhey Medical Center.

Koltun, associate professor of surgery, is an expert in inflammatory bowel disease and surgical diseases of the colon and rectum. This endowed faculty position was created with a \$500,000 gift from Peter and Marsha Carlino of Reading.

Koltun joined the faculty of the College of Medicine in 1990. He has conducted research into inflammatory bowel disease for the past 10 years. Because of his contributions, he was named chief of the Department of Surgery's recently created Section of Colon and Rectal Surgery. Koltun also has a patient registry for the disease.

Inflammatory bowel disease is the collective name for ulcerative colitis and Crohn's disease, serious chronic inflammatory disorders of the intestinal tract, that primarily strikes in the third decade of life but can also show up later in life. The cause is unknown and it can be fatal if untreated. The symptoms can be controlled with medication, but there is no cure.

Peter Carlino, a 1968 University graduate, is chairman and chief executive officer of Penn National Gaming Inc., which owns and operates casinos, racetracks and off-track wagering facilities. He is a member of the board of directors of The Milton S. Hershhey Medical Center and also has served on the board of the Crohn's and Colitis Foundation of Central Pennsylvania.

PARTINGS

Football equipment manager retires from post

Longtime football equipment manager Tim Shope has retired after almost 40 years of service with the University.

Affectionately known as "Shope" to the thousands of football players he has worked with, Shope served as the Nittany Lions' equipment manager since 1979. He was with the football program since 1971 when he was named assistant equipment manager. Shope began working at the University in June 1961.

Shope and his staff are responsible for making sure that all of the Nittany Lions

are properly fitted for their equipment, maintaining the equipment throughout the year and seeing that the squad's uniforms are clean and properly maintained for every practice and game. Shope's staff, which includes a dozen student managers, also is responsible for practice set-up and cleanup as well as game-day set-up on the Penn State sideline and in the locker room.

Shope owns several horses and has spent many summers traveling around the nation calf roping at rodeos, a hobby he intends to continue, along with two-man team roping.

University Libraries employee says goodbye after 31 years

Longstanding University Libraries employee Ethel M. Wolfe, staff assistant V, has retired.

Wolfe worked 31 years with the University—five years in the now-defunct typing

department in Pattee Library and 26 years in the Libraries' business office.

In her retirement, Wolfe plans to relax in her pool and travel.

Smeal College appoints new chair for management science

W. David Kelton has been named chair of the Department of Management Science and Information Systems in The Smeal College of Business Administration.

He will assume his new responsibilities on Aug. 17.

Kelton is currently professor of quantitative analysis and operations management in the University of Cincinnati's College of Business Administration, where he teaches courses in simulation, operations research and statistics.

Kelton's research interests and publications are in the probabilistic and statistical aspects of simulation, applications of simulation, statistical quality control and stochastic models. He has consulted for

NASA and numerous other companies and organizations.

His papers have appeared in several journals and he is editor-in-chief for the *INFORMS Journal on Computing*.

He is co-author of the book *Simulation Modeling and Analysis*, which received McGraw-Hill's award for "Most Successful New Title in 1998" and has been translated into Japanese and Korean.

He received a bachelor of arts in mathematics from the University of Wisconsin-Madison, a master of science in mathematics from Ohio University and a master of science and doctoral degrees in industrial engineering from Wisconsin.

Attorney appointed Maurice K. Goddard professor of forestry

Robert McKinstry, an attorney specializing in environmental law and litigation, has been selected as the new Maurice K. Goddard professor of forestry and environmental resource conservation in the College of Agricultural Sciences.

He will begin his three-year term on July 1.

McKinstry will spend half of his time on public outreach and policy, while teaching and carrying out special projects.

McKinstry is a partner at Ballard Spahr Andrews & Ingersoll, LLP in Philadelphia, where he is the co-founder and co-partner in charge of the firm's 24-lawyer Environ-

mental Practice Group. His work involves issues related to the Comprehensive Environmental Response, Compensation and Liability Act (commonly known as Superfund), the Resource Conservation and Recovery Act, the Clean Water Act, the Clean Air Act and parallel state laws.

McKinstry has devoted his practice exclusively to environmental law since completing a two-year judicial clerkship in 1981. He was the first joint-degree candidate at Yale's School of Law and his School of Forestry and Environmental Studies, receiving a juris doctorate and master of forestry science in 1979.

Department head named in Materials Science and Engineering

Gary L. Messing, professor of ceramic science and engineering, has been named head of the Department of Materials Science and Engineering, effective July 1.

He joined Penn State in 1980, was promoted to professor in 1989 and became director of the Materials Research Laboratory in 1997.

Messing has published more than 210 papers and co-edited 10 books on various aspects of ceramic processing. He serves on the editorial board of the *Journal of Sol Gel Science and Technology*.

Messing has received numerous awards for his work in ceramic processing. He is president-elect of the American Ceramic Society and is a member of the Materials Research Society and the American Chemical Society.

Messing received his bachelor of science degree in ceramic engineering at the New York State College of Ceramics at Alfred University and his doctoral degree in materials science and engineering at the University of Florida.

Shenango's campus executive officer resigns

William C. Puffer, campus executive officer at Penn State Shenango, has announced his resignation effective at the end of June.

Puffer, who came to Shenango Valley in 1998, plans to pursue other professional challenges and interests.

Some of the notable changes at Penn State Shenango since Puffer arrived include a new baccalaureate degree in business, an associate's degree in information science and technology, a master's degree in education in conjunction with Penn State Harrisburg, an

increase in full-time faculty, an increase in the number of outreach programs offered to the community, the creation of a Diversity Office to serve the needs of minorities, creation of a campus Career Center, an increase in the number of scholarships offered by the campus and a sharp increase in the number of student clubs and organizations.

Other events include campus participation in Sharon "Light-Up Night" and "Light Up Hermitage" Parade, and the first Greenberg Lecture.

Keep on top of the latest University news through the **Employee NewsWire**. Just go to the Web at <http://www.psu.edu/> and click on the link under "Announcements" to sign up for your **FREE Employee NewsWire**, an e-mail send that goes out two or more times a week.



25-Year Awards



Barbara Lynn Abbott



Lydia Abdullah



Ruth M. Carpenter



Gloria Clouser



Judy K. Coble



Peter J. DeHart



Jacob DeRooy



Michael J. Kalbaugh



Joseph F. Kepp

Sumruai
Ruengsiyanan Leto

Terry Majzik



Ronald M. Copenhaver



Walter P. Kilaeski



M. Joan Schumacher



Javad Towfighi

Observing 25 years of service at the University are, top row from left: Barbara Lynn Abbott, staff assistant VI; Lydia Abdullah, senior budget planning and external reporting specialist in University Budget Office; Ruth M. Carpenter, staff assistant III in Fleet Operations; Gloria Clouser, staff assistant VI, Library, and Judy K. Coble, staff assistant VI, Enrollment Services, Penn State Harrisburg; second row, from left: Peter J. DeHart, scheduler/dispatcher, Instructional Services; Jacob DeRooy, associate professor of managerial economics; Michael J. Kalbaugh, coordinator/instructional design, Instructional Services; Joseph F. Kepp, painter/lock hardware mechanic, Maintenance and Operations; and Sumruai Ruengsiyanan Leto, staff assistant V, Residence Life, all from Penn State Harrisburg; and third row, from left: Terry Majzik, manager/network and information systems, Instructional Services; Penn State Harrisburg; Ronald M. Copenhaver, senior research technologist in College of Earth and Mineral Sciences; Walter P. Kilaeski, professor of civil and environmental engineering in College of Engineering; M. Joan Schumacher, director, graduate fellowships and awards in The Graduate School; and Javad Towfighi, professor of pathology in College of Medicine, The Hershey Medical Center. Observing 25 years of service at the University but not pictured are Mary Jo Livergood, staff assistant VIII in Office of Human Resources; Janet L. Herold, staff assistant VII in Intercollegiate Athletics; Joanne E. Meinsler, staff assistant VI, Instructional Services; Robert Munzenrider, associate professor of public administration, and Troy Thomas, associate professor of humanities and art, all from Penn State Harrisburg; and Anna Marie Neidig, staff assistant VI in Office of the Corporate Controller.

OBITUARIES

Marion S. Deck, staff assistant IV at Penn State Bookstore, from April 1, 1983, until her retirement June 1, 1993; died April 6. She was 73.

Dale E. Koon, senior operator, engineering copy center in College of Engineering, from July 1, 1964, until his retirement April 1, 1987; died April 5, at the age of 76.

H. Gilbert Ralston, stockroom supervisor in Eberly College of Science, from April 1, 1964, until his retirement May 1, 1987; died April 23. He was 77.

Fred Rapp, Evan Pugh professor emeritus of microbiology in College of Medicine, The Hershey Medical Center, from June 1, 1969, until his retirement July 1, 1990; died March 28, at the age of 72.

Frieda S. Rozen, assistant professor of labor studies and industrial relations in College of the Liberal Arts, from

Jan. 1, 1969, until her retirement June 30, 1995; died April 7. She was 75.

Joseph E. Walton, associate professor of education in College of Education, from Jan. 11, 1963, until his retirement June 30, 1988; died Jan. 10, at the age of 77.

James A. Weiss, assistant professor of chemistry at Penn State Worthington Scranton, from Sept. 21, 1970, until his retirement July 1, 2000; died March 26, at the age of 57.

Myia S. Wert, administrative aide in College of Agricultural Sciences, from Sept. 1, 1937, until his retirement Jan. 1, 1977; died April 21. She was 87.

Lawrence R. Zeller, plumber fitter in Office of Physical Plant, from Jan. 1, 1959, until his retirement May 1, 1985; died April 27, at the age of 79.

Proposals currently being sought for Faculty Technology Initiatives

Faculty are invited to submit ideas about using technology to solve instructional challenges to the Faculty Technology Initiative program.

The program is sponsored by the Center for Education Technology Services, a support unit whose staff helps faculty to identify technologies and develop interactive tools that can enhance their instructional effectiveness and efficiency.

Each year since 1990, faculty proposals have been solicited and reviewed for development support by the center advisory board. The board selects project ideas that are consistent with University-wide initiatives to promote active learning, use of information technology, team projects, problem-based and service learning.

Proposals selected for development in the past have ranged from small-scale projects like the development of Web-based course materials to those of a much larger scale such as curricular redesign and the development of customized software.

The center advisory committee will give special consideration to proposals that:

- address a clearly identified instructional or delivery challenge;

- play an integral role in a college/campus or departmental curricular initiative;

- require faculty teams both for the development and implementation phases of the project;

- involve courses with multiple sections or campus locations; and

- cross departmental, college or campus boundaries.

Proposals selected for support result in partnerships between faculty and appropriate center staff, including programmers, instructional designers, graphic artists and technical writers.

Center consultants are available on request after early September to help faculty develop their proposal ideas. To schedule a consultation, e-mail kmp138@psu.edu or call (814) 863-1654. For information about the Faculty Technology Initiative, visit <http://cecs.psu.edu/fiinfo.html>. Application materials will be linked from that page; the deadline for applications is Sept. 17.

University represented in Congressional internship program

An undergraduate student with a dual major in labor and industrial relations and political science is one of just 30 students nationwide to be selected for a 2001 Congressional Hispanic Caucus Institute (CHCI) Summer Internship in Washington, D.C. Roberto Santoni, who just completed his junior year, is the only Penn State student to be chosen from a field of approximately 1,000 applicants.

After a week of familiarizing themselves with Washington, Congress and its culture, the interns will start working full time on Capitol Hill. They will attend weekly workshops and presentations by prestigious professionals and national leaders. Along with other CHCI interns, Santoni will participate in a collaborative community service project and write a research paper about the summer program. The eight-week internship provides all transportation, housing and living expenses.

In addition to winning numerous awards, Santoni is the recipient of the Tracy Winfree McCourtney Scholarship and the John and Arlene Witmer Scholarship, both in the College of the Liberal Arts. He has been a member of the Schreyer Honors College since his freshman year.

Access the world with a Penn State account

By HEATHER HERZOG
Computer and Information Systems

In the new millennium, universities are depending on electronic resources as never before. At Penn State, students frequently use services like LIAS on the Web to search for books, journals, maps and special collection items. Many also connect daily to the University's online academic counseling service, e-Lion, to access academic records, add/drop capabilities and interactive advising sessions. Still others send e-mail, use a micro-computer lab or dial into the University's network via a telephone line. Faculty members also increasingly use Web-based instructional technologies to manage course assignments, reading lists and syllabi distribution. These services, many scholars agree — along with electronic directories and the World Wide Web — are becoming indispensable to the University community.

None of the above would be possible, however, according to Russell Vaught, associate vice provost for information technology, without a system known as the Penn State access account.

The Penn State access account is a "user ID" and password that enables University students, faculty and staff to use the full range of Internet services on or off campus (at computer labs or on personal computers). Begun originally as a means for a handful of students to communicate with one another in early 1990s, the access account is now used today by 95 percent of all students, faculty and staff University-wide.

"Many people don't realize what a unique resource the Penn State access account is, and how much it can benefit them," explained Vaught. "The system is extremely powerful because it enables so very many different services. Very few institutions have as comprehensive and extensive account services as this University."

Distributed Computing Environment

Because the University's access account system uses a technology called the Distributed Computing Environment (DCE) to bundle all of its services and make access secure, it is extremely easy for individuals to use and cost-effective for the University, he added. "At many other universities, students, faculty and staff need to use different accounts to access various services such as the library, e-mail, dial-up and so on. At Penn State, this all occurs through one common account, so it's much less complicated."

Aside from the fact that the access account makes services like e-mail, LIAS on the Web and e-Lion accessible, many organizations throughout the University depend on it to provide a secure environment for Web-based collaborations and to protect the distribution of sensitive material.

For example, an application designed by the Office of the University Registrar uses the system to make it possible for faculty and staff to compare drafts of the Penn State Schedule of Courses, according to David Stucky, a network analyst in Enrollment Management and Administrative Technology. The application enables specific individuals to



Instructional designer Ann Luck, assistant professor of English Stuart Selber and graduate student Elizabeth Mazzolini collaborate on revisions to the technical writing course offered through the World Campus. This course is available via Penn State's access account to students around the world.

review and contribute to a working draft of the schedule simultaneously via the Web while it's being compiled. Stucky said that an Internet-accessible index of enrollment counts, similarly managed by the Registrar's Office, also is made available through the access account system, enabling staff members to securely retrieve enrollment numbers as needed.

Other uses

Numerous other divisions use the access account system. At the Smeal College of Business Administration, instructors use password and user ID authentication to issue Web-based tests to their students; and the Office of Human Resources provides personal benefit statements via the Web, by using the access account to verify staff and faculty identities.

Faculty members, too, increasingly describe a need to design curricula around access account-based resources. For these instructors, the University makes a "course server" available at <http://www.courses.psu.edu/> that provides Web space for instructional purposes. Through this service, the Course Online Account System (COLA) enables instructors to receive up to 50 megabytes of Web space for their instructional development interests; and the Student Online Development Account System (SODA) provides students with an additional 10 megabytes each of Web space for course assignments.

"We're in an age in which students must develop multiple literacies in order to communicate both responsibly

and productively," said Stuart Selber, assistant professor of English at University Park, who teaches courses in technical writing, software documentation and rhetorics of the Internet. "Making large amounts of Web space available to students enables them to work in literacy environments that parallel what they're going to find in the workplace."

Selber, who also designed a World Campus course in technical writing, points out that distance learning is another instructional environment made available to students via the access account.

"Using this technology is both challenging and invigorating," he observes. "We all know the many ways we can exploit more traditional educational technologies. In fact, they have become almost invisible to us. But we really don't know all the best ways that we can use computers yet... the access account is providing us with the tools to perform this exploration."

More information

For more information on the benefits of the access account system, check the Web at <http://cac.psu.edu/accounts/>. For more information about services provided by the Center for Academic Computing, a subdivision of Computer and Information Systems, go to <http://www.cis.psu.edu/>.

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New child-care center slated to open soon at Penn State Fayette

This summer Penn State Fayette will unveil its newly renovated, 47,570-square-foot Eberly Building housing a child-care facility. The Cub's Den, which is an extension of Duck Hollow Discovery Learning Center, operated by Rebecca Belski.

The project was completed through the financial support of Robert and Elouise Eberly and in partnership between Penn State Fayette and Duck Hollow.

The Cub's Den child-care center will officially open Aug. 15 with priority enrollment given to children of current Penn State Fayette students, staff and the general public, respectively. Hours will be 7 a.m. to 10 p.m. Monday through Friday and 7 a.m. to noon Saturdays. Children ages 2 through 6 will be accepted for the morning and afternoon sessions, and children ages 2 through 12 will be

admitted for evening and Saturday sessions.

The campus renovated the ground floor of the Eberly Building specifically for The Cub's Den, incorporating kitchen equipment, security controls such as a buzzer entry system, locked doors and closed-circuit monitors throughout. An outdoor playground also will be finished and fenced.

An advisory group of the campus will meet regularly with center staff to ensure continuous and total quality. The center will be maintained and supplied with general operating materials by the campus as well.

For information, call Penn State Fayette at (724) 430-4130 or Duck Hollow Discovery Learning Center at (724) 438-6123.



Focus on Research

Unions require new strategies

By PAUL BLAUM
Public Information

Unions, now at a critical point in their history, have the chance to transform the American labor movement by including a variety of groups that have not been previously organized under the union umbrella, a University researcher said.

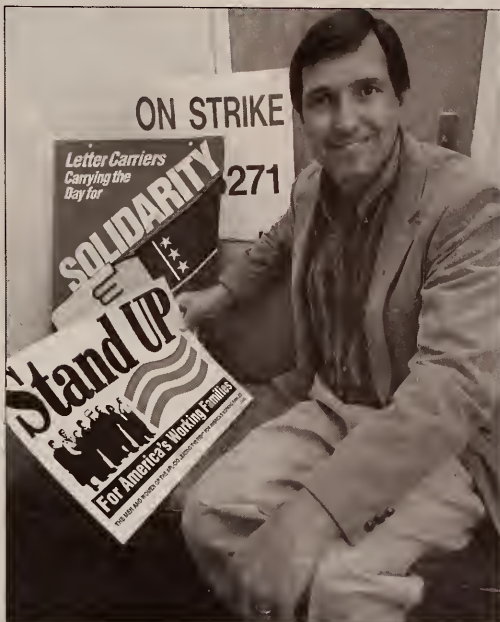
"These groups consist, on one hand, of professional workers in the fields of health care, high technology and e-commerce and on the other hand, low-paid service workers, many of whom are recent immigrants, people of color and women," noted Paul F. Clark, associate professor of labor studies and industrial relations.

In his recent book, *Building More Effective Unions*, he details strategies by which unions can make inroads among these and other workers in the years ahead.

In addition to their traditional strategies, unions should draw on behavioral science to learn more about human behavior and the relationship between individuals and their organizations. Clark suggests that unions can use these lessons in their efforts to organize new members, bargain contracts and resolve disputes with employers.

"In the past, unions have tended to act as if commitment, in the context of a union-management relationship, was an 'either/or' proposition. Workers either were committed to the union or to the employer, but not to both. However, behavioral research has demonstrated that employees are capable of simultaneously being committed to both their union and their employer, a phenomenon called dual commitment. This is a particularly important finding in regard to professional and white collar employees," the researcher said. "Sometimes unions need to convince the employees in an organizing campaign that commitment to the union is not incompatible with commitment to the employer."

Clark argues that professional workers also are much concerned about maintaining the high standards of their profession. In a previous study of a large group of registered nurses, Clark and fellow researchers discovered that the major concern among these workers was the decline



Paul F. Clark, associate professor of labor studies and industrial relations, said unions are at a juncture where they could transform the American labor movement.

Photo: Greg Grieco

in patient care resulting, in their view, from the introduction of managed care into the American health-care system.

"My research indicated that nurses were most likely to vote for a union if that union could provide them with a greater say in how patients were cared for," he said. "If the union could convince them that it could help improve care, the nurses were much more likely to vote for a union. This finding

is an example of the kind of insights behavioral science has to offer to union."

Clark has been an educational and research consultant for various unions, including the United Mine Workers, United Steelworkers, National Association of Letter Carriers and the Pennsylvania AFL-CIO.

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Drug mechanism alters genetic makeup of viruses

Researchers have discovered a new mechanism for an existing antiviral drug that could permit the design and production of a new class of antiviral agents to treat RNA viruses.

Such viruses, a family that includes poliovirus and hepatitis C, use RNA as both their core genetic material and also to direct protein synthesis.

A team led by Craig Cameron, assistant professor of biochemistry and molecular biology, reports that ribavirin, a synthetic compound that inhibits RNA viruses by working at the cellular level, also possesses an ability to alter the structure of the viruses at the genetic level. Researchers used poliovirus as the experimental model for their work.

"Our results indicate the antiviral effects of ribavirin come from its direct incorporation into the viral RNA," Cameron said. "When that happens, it changes the behavior of the base pairs of the RNA and the virus no longer produces faithful copies of itself. In that manner, ribavirin effectively shifts the internal balance of the virus and the virus suffers from a genetic meltdown."

While most organisms use DNA as their genetic material and RNA to direct protein synthesis, RNA viruses use RNA for both functions. When an RNA virus infects a cell, it directs the synthesis of proteins used to make copies of the original RNA and then uses those copies to build the chromosomes of the virus. Many RNA viruses can be stopped by intervention from the immune system or with the help of vaccinations. Others adapt, developing so rapidly that neither the immune system nor vaccinations provide relief.

RNA's instability — when compared to DNA — means it works well as a virus because it changes form, or mutates, often enough to prevent the immune system from providing effective antiviral activity. With ribavirin acting at the genetic level, researchers have discovered a way to use the mutations against the virus. Ribavirin capitalizes on the mutations and stops the virus by altering its genome, upsetting its delicate balance, and forcing it to collapse upon itself. For the complete story, go to: <http://www.science.psu.edu/alert/Cameron12-2000.htm>

Research model analyzes reasons behind why some plants are blooming earlier in spring

By STEVE SAMPELL
Public Information

A first-ever study by a University researcher creates a model incorporating biological factors to quantify processes behind ecological responses to climate change, moving the field of study beyond its previous observational limits and providing a way to analyze what contributes to the earlier timing of spring events.

A team led by Eric Post, assistant profes-

or of biology, reveals flowering plants in Norway bloom earlier after warmer winters and provide a model for why that occurs.

Using data for three species of flowering plants collected during a 50-year period, Post and his collaborators applied a mathematical and statistical approach developed originally for statistical studies of population dynamics to their data about plants.

In each of the species — wood anemone, hepatica and colt's foot — the model shows plants bloomed earlier after warmer winters

because of interactions between competition, climate and resources. Researchers studied 26 different populations using data collected from 1928 to 1977 at sites in Norway.

Based on observations of other species and a growing acceptance of climate change, the researchers were pleased because their model provided additional insight.

Along with observations of the changes, the researchers produced an answer to why the earlier blooming occurred.

"It was not just a direct effect of climate change," Post said. "There are other factors involved, such as resources and competition, that tell you a little bit more about what happens when it gets warm. It's not that cold temperatures simply constrain things. Temperature affects things the individual organism has to deal with in its own life history."

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Solar flair

Mike Howell of Atlantic Solar in Baltimore, right, installs two of 60 solar panels on the roof of the Office of Physical Plant Building on the University Park campus. The solar voltaic cells will turn sunlight into electricity. The installation was donated by "Connectiv" under the Solar Schools Program. The units will be used to study the feasibility of solar energy applications in the Centre Region. **Below, left**, sunlight glitters off an installed panel and in the **bottom photo**, crews work to complete the installation.

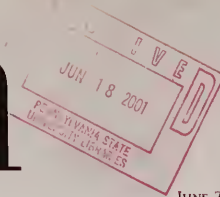
Photos: Greg Grieco





Intercom

INFORMING THE PENN STATE COMMUNITY



JUNE 7, 2001

Site of new entrance



All that remains of the Rec Hall landscape building, right, is dust and dirt. The building was torn down to make way for the new entrance to the University Park campus off of Atherton Street. Curtin Road will be extended to Atherton Street. The new road will go through the parking lot red E and along the north side of Rec Hall, above.

Photos: Greg Grieco



Couple gives \$2 million for theatre, education and engineering

Students in the musical theatre program in the College of Arts and Architecture will benefit from a \$1 million endowment created by William E. and Wyllis M. Leonhard. The State College couple also has given \$1 million to divide equally between two existing endowments in the College of Engineering and the College of Education.

Income from the Wyllis M. Leonhard Endowment for Music and Dance will enable the School of Theatre to recruit outstanding students and prepare them for professional careers in musical theatre.

The Leonhards committed an additional \$1 million to be divided equally between the Leonhard Honors Scholarship Program, which they previously endowed in the College of Engineering, and a scholarship fund in the College of Education that is named in honor of their daughter, Jeanne, a 1968 College of Education graduate.

William Leonhard, a Middletown native, retired as chair and chief executive officer of the California-based Parsons Corp., one of the world's largest construction and engineering firms, in 1990. Before joining Parsons, he had a 28-year career in the Air Force and Army Corps of Engineers. He is a 1936 Penn State graduate in electrical engineering.

Couple, page 2

Amusement park chills and thrills live on in new collection

By GARY CRAMER
Public Information

Although prized by amusement park aficionados for being host to more than a dozen active parks, Pennsylvania was once home to nearly 150 others that no longer operate.

Thanks to the Charles and Betty Jacques Amusement Park Collection, recently donated to the University Libraries, researchers and fans can now appreciate the early 20th century golden age of these parks in Pennsylvania and elsewhere, as well as study present-day trends.

"A Thrill a Minute," an exhibit of selections from the

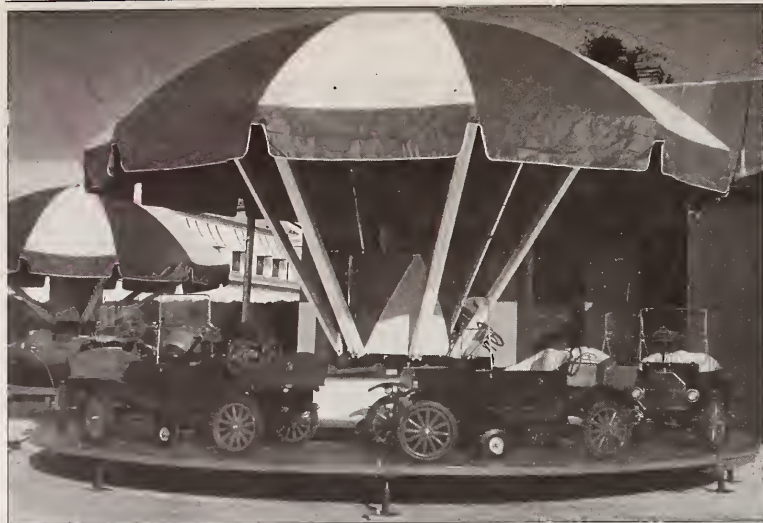
collection, doesn't include any working roller coasters or carousels, but it should bring back plenty of chills and thrills while on view through Aug. 15 in The Eberly Family Special Collections Library, 104 Paterno Library on the University Park campus. The exhibit is free to the public from 8 a.m. to 5 p.m. weekdays, and from 10 a.m. to 4 p.m. on Saturday, June 2. The collection features posters, brochures, photos and other memorabilia from parks; correspondence to and from important figures in the industry; and playbills for entertainers in parks' dance halls and outdoor venues.

Charles Jacques will give a slide presentation and talk in conjunction with the display at 2 p.m. Tuesday, June

12, in the Foster Auditorium of Pattee Library. Jacques grew up in Natrona Heights and is a 1962 graduate of the College of Education, where he majored in history. He traces his interest in amusement parks to childhood visits to Erie's Waldameer Park during World War II. As a fan and researcher, he has visited



Amusement parks, page 2



The "New Antique Car Ride," shown in this promotional photo from its manufacturer, the former San Antonio Roller Works of Texas, sold for \$6,650 when it was new. The photo is from the Charles and Betty Jacques Amusement Park Collection at the Paterno Library on the University Park campus. Below is one of many pictures of carousel horses from the collection.

Amusement parks

Continued from page 1

27 Pennsylvania parks and ridden more than 50 roller coasters in the state.

"It dawned on me in 1975 that I might be interested in writing about amusement parks, but I could find only a handful of books about them," Jacques said. "So almost everything I did on them for a long time was virgin territory — like walking into a snowy field and looking back to see that the only footprints behind you are your own. Perhaps I have spent the past quarter-century trying to tell the world how great the sights, sounds, smells, tastes and feels of my earliest amusement park experiences at Waldameer were."

The retired attorney and past president of the National Carousel Association has appeared frequently in television documentaries, was editor from 1979 to 1987 of the *Amusement Park Journal* and has penned numerous articles on the storied histories of various amusement parks. He is the author of five books: *Kennywood: Roller Coaster Capital of the World*; *Goodbye, West View Park, Goodbye* (on another Pittsburgh-area park that closed in 1977); *Hershey Park: The Sweetness of Success*; *More Kennywood Memories* (which includes information on Idlewild Park in Ligonier and the Sandcastle water park near Pittsburgh) and *Idora Park: The Last Ride of Summer* (co-authored with Rick Shale of Youngstown University, on a defunct Ohio park).

Betty VanPelt Jacques is a research assistant for the most recent books, and

has taken hundreds of photographs of amusement parks that are now part of the Penn State collection. She and her husband first met at a carousel convention in 1994; they are residents of Jefferson, Ohio.

Faced with limited space at home for a collection that was growing faster than they could give it away, the Jacqueses began transferring items to Penn State in 1998 so that an "important part of American history that has been too long overlooked" would be preserved, Charles Jacques said. Many of the rare or unique finds were acquired during research for his books, including some collections purchased in their entirety from other historians or their heirs.

More than 100 Pennsylvania parks are represented in the overall collection, including the still-operating Conneaut Lake Park (Crawford County), Dorney Park (Allentown), Dutch Wonderland (Lancaster) and Knoebels (Elysburg); and the gone-but-not-forgotten Angela Park (Hazleton), Burke Glen (Monroeville), Rocky Glen (Moosic) and Willow Grove (Montgomery County). Besides material from these parks, the Paterno Library display spotlights several ride schematics and information on ride manufacturers such as Luske Brothers of Montgomeryville, R.E. Chambers Co. of Beaver Falls and the Philadelphia Toboggan Co.,

a pioneer of early roller coasters, carousels and arcade games.

"One of the things that I've enjoyed since I first got into this is that archival material from amusement parks is very visually stimulating compared to what you find from a lot of other history topics," Jacques noted. "There's artwork of the rides, scenes of midways and gardens, wonderful photographs of people smiling — maybe with their hands up on a roller coaster. I always think of how lucky I am that I only have a handful of boring items and lots of exciting ones."

He is presently working on a book about the confusingly named Coney Island

Amusement Park —

not the New York one, but the Cincinnati, Ohio one — as well as one on Waldameer Park.

Gary Cramer can be reached at guc104@psu.edu.

OBITUARIES

Robert H. Barnes, coordinator police services, Commonwealth Campuses in University Safety, from Oct. 1, 1962, until his retirement July 1, 1977; died May 6, at the age of 80.

Patricia H. Dunkeberger, administrative assistant in College of the Liberal Arts, from June 16, 1958, until her retirement June 1, 1989; died April 25. She was 65.

Clarine L. Edwards, staff assistant VI at Penn State Wilkes-Barre, from Oct. 4, 1976, until her retirement Dec. 31, 1994; died April 28, at the age of 76.

Larry W. Govedich, police services investigator in University Safety, from May 17, 1971, until his retirement Feb. 1, 2000; died May 9. He was 58.

Donald V. Josephson, professor emeritus of dairy science, head of the Department of Dairy Science and chairman of the Division of Food Service and Industry in the College of Agricultural Sciences, from July 1, 1948, until his retirement July 1, 1975; died April 25, at the age of 90.

Louis J. Kusch Jr., associate professor of engineering research in the Applied Research Laboratory, from April 1, 1951, until his retirement June 30, 1985; died May 11. He was 79.

Frank P. Mansly, assistant professor of speech communication at Penn State Worthington Scranton, from Sept. 1, 1953, until his retirement June 30, 1984; died April 28, at the age of 82.

Elizabeth A. McMurtrie, food preparer B in Housing and Food Services, from Sept. 1, 1961, until her retirement July 1, 1982; died May 7. She was 76.

Couple

Continued from page 1

He serves on the executive committee of Penn State's Grand Destiny Campaign, the University's seven-year effort to raise \$1.3 billion in private support to strengthen Penn State's overall mission of teaching, research and service.

Wyllis Leonhard has made her family and community her career. This has involved raising their three children, spending thousands of hours volunteering in Scouts, PTAs and at the Huntington Memorial Hospital in Pasadena, and keeping their home intact during the 37 moves they've made during the course of their marriage.

The Leonhards have been benefactors of the University for many years. In the College of Engineering alone, they have endowed the Leonhard Center for the Enhancement of Engineering Education, several faculty positions and an honors program. They also have endowed a chair in the College of Education. The Leonhard Building, formally dedicated in 1999 on the University Park campus, was named in 1993 in recognition of their generous support to the University.



Appointments

Interim campus executive officer named at Shenango campus

Fredric Leeds, director of Academic Affairs at Penn State Shenango, has been named interim campus executive officer by Dean John Leathers of the Commonwealth College.

Leeds will serve in that capacity beginning July 2 and until a permanent CEO is hired.

Leeds earned a bachelor's degree from Hunter College

and master's and doctoral degrees in French from Penn State where he was a Fellow of the Graduate School. He also holds the Certificat de Langue Française from the University of Paris (Sorbonne).

He began his teaching career in 1971 at Shenango and became director of Academic Affairs in 1987.



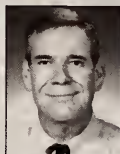
Fredric Leeds

First director of Social Science Research Institute named

Mark Hayward, professor of sociology and demography, will be the inaugural director of the Social Science Research Institute, effective July 1.

He is currently director of the Population Research Institute. The newly created Social Science Research Institute, designed to encourage and facilitate social science research, is sponsored by the colleges of Agricultural Sciences, Education, Health and Human Development, the Liberal Arts and the Office of the Vice President for Research. Initial components will include the Institute for Policy Research and Evaluation, the Population Research Institute and a newly formed Survey Research Center.

Hayward joined Penn State in 1992 as



Mark Hayward

associate professor of sociology. He was promoted to professor in 1996, and named director of the Population Research Institute in 1999. Hayward's research focuses on aging, retirement and health conditions of the elderly.

Hayward formerly served as director of the University's Center on Aging and Health in Rural America and the assistant director for social sciences of the Gerontology Center. Before joining the University, he was a research scientist at the Health and Population Research Center of the Battelle Memorial Institute from 1981 to 1988 and an associate professor of gerontology and sociology at the University of Southern California from 1988 to 1992.

Hull joins Office of Corporate and Foundation Relations

Ann Hull was appointed associate director of development for the Office of Corporate and Foundation Relations in the Office of University Development. In this position, Hull will be primarily responsible for maintaining a liaison relationship with corporate and foundation executives to strengthen existing relationships. In addition, she will collaborate with University Development staff and others in the process of identification and solicitation of organizations relating to the Grand Destiny campaign.

The role of the office is to maximize support to the University from corporations, foundations and associations by creating and nurturing relationships with tar-



Ann Hull

geted organizations. Additionally, the office serves to interpret the University to outside constituencies and relay the policies, guidelines and funding opportunities from these organizations to appropriate parties within the University.

A graduate of Indiana University of Pennsylvania, Hull has a bachelor of fine arts degree in graphic design and a master of arts degree in sociology. She joins the Corporate and Foundation Relations staff from Juniata College, where she served as assistant director of development for major gifts. Before that, Hull served as director of development for Blair Senior Services Inc. in Altoona.

School director appointed at Penn State Capital College

Omid Ansary, professor of engineering, is the new director of the School of Science, Engineering and Technology at Penn State Capital College.

Ansary, who has been a faculty member for 16 years, will assume the post effective July 1. In his new position, Ansary will be responsible for all activities of the school at both Penn State Harrisburg and Penn State Schuylkill.

Active in faculty governance, Ansary served five years on the Capital College Faculty Senate, including a term as its president. He also has been a member or chair of faculty committees for academic



Omid Ansary

chapters in a 20-chapter text and laboratory manual.

He recently was honored by Penn State Harrisburg with its annual awards for excellence in faculty service and excellence in research.

Director of Institute for Arts, Humanistic Studies appointed

Laura L. Knoppers, professor of English, will be the director of the Institute for the Arts and Humanistic Studies, beginning a three-year term on July 1.

Under the auspices of the colleges of Arts and Architecture and Liberal Arts, the institute is a center for advanced study in the arts and humanities.

Knoppers joined the University as assistant professor in 1986. She was promoted to associate professor in 1993 and to professor this year.

A specialist in 17th-century English literature, she is known for her interdisciplinary



Laura L. Knoppers

approach to the literature, visual images and history of the period.

Her publications include *Historicizing Milton: Spectacle, Power and Poetry in Restoration England* (University of Georgia Press, 1994); *Constructing Cromwell: Ceremony, Portrait and Print, 1645-1661* (Cambridge University Press, 2000); and numerous articles and essays.

She is currently editing a collection of essays on *Puritanism and Its Discontents*. She received her doctoral degree in English literature from Harvard University in 1986.

Marketing associate named for Philadelphia region

Debbie Blanton of Glen Mills has been promoted to marketing associate for the Philadelphia region of the University.

She will be responsible for marketing at Penn State Delaware County, Penn State Great Valley and Penn State Abington.

Blanton will assume an expanded role in the development of the regional Web site, the regional advertising and marketing program, and the digital production and transmission of a variety of materials related to the public information effort.

She will continue to have a leadership role in regional events and remains available to each campus for assistance with major projects and events.

Blanton graduated from Washington College with a degree in sociology. She began working for the University in 1996 as a part-time staff assistant.

Previously, Blanton was a part owner of Country Gourmet Catering and also worked as an administrative assistant at Wilmington Friends School and as a part-time substitute teacher.

New director named for teambuilding at Shaver's Creek

Susanne Dubrouillet is the new director of teambuilding programming at Shaver's Creek Environmental Center, the University's outdoor learning field laboratory near the University Park campus.

Before coming to the University,

Dubrouillet was the director of Clemson University's outdoor program, Clemson Expeditions, in South Carolina.

Shaver's Creek teambuilding programming is available for corporations, non-profit, school groups and all other "teams."

COURSES

Arts Festival course

The Arts Festival: Visual Culture and Education

This Friday course from the College of Arts and Architecture runs concurrently with the Central Pennsylvania Festival of the Arts, July 11-15, on the University Park campus. The course is designed to give teachers of visual arts and other disciplines the opportunity to earn three graduate credits while experiencing the festival from an educational perspective. For information about program content, call Brent Wilsey at (814) 863-7314 or e-mail bwil@psu.edu. For registration information, call Judy Meder at (814) 863-5100 or e-mail Conferenceinfo1@outreach.psu.edu. For up-to-date information, check the Web at <http://www.outreach.psu.edu/C&I/ArtInstitute/>.

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Partings

Associate athletic director to retire

L. Budd Thalman, associate athletic director for communications, has announced he will retire on July 31 after a career spanning almost 40 years in athletic communications.

A member of the Nittany Lions' athletic staff since August 1986, Thalman has management responsibilities with the University's communications, media relations and external relations initiatives. He supervises and administers the operations and budgets for the sports information, publications, Internet, marketing and promotion and radio-television areas.

According to Tim Curley, director of athletics, Thalman played a vital role in the planning and growth of the University's athletics programs over the past 15 years, including the transition into the Big Ten Conference and the current expansion of Beaver Stadium.

Thalman is a 1957 journalism graduate of West Virginia University. He worked for one year in the Associated Press bureau at Huntington, W.Va., before entering the Army where he served from 1958-60 as public information officer for Fort Jay, Governor's Island, N.Y.

Thalman returned to the AP in 1960, transferring to the Annapolis, Md., bureau. He joined the U.S. Naval Academy athletic staff as sports information director in January 1962. His Navy football handbook was twice honored by



L. Budd Thalman

the College Sports Information Directors of America (CoSIDA) as "Best In The Nation" and in 1963 he provided assistance to the national media during Roger Staubach's Heisman Trophy-winning season.

In 1973, Thalman was named vice president for public relations with the NFL's Buffalo Bills. During his 13 years with the Bills, he worked on the NFL public relations staff at seven Super Bowls and twice served as the American Conference public relations director at the Pro Bowl.

Last year, Thalman wrote his first book, *Quotable Joe: Words of Wisdom by and About Joe Paterno*, which was released in September.

Thalman was inducted into the CoSIDA Hall of Fame in 1998. He was the leading vote-getter to receive the organization's highest honor that year.

This past February, he received the President's Award at the Maxwell Football Club Banquet in Philadelphia. The honor is presented to individuals who have made outstanding contributions to the Maxwell Football Club and have helped elevate the organization. The award is presented only in years which the club feels there is a worthy recipient. He is a former member of the NCAA Communications Committee.

Thalman and his wife, Pattie, reside in State College and have three children, Mark, Scott and Kelly. Scott and Kelly earned their degrees at Penn State.

Several longtime employees announce retirements

Bonnie J. Bartley, staff assistant IX in Commonwealth College, retired April 1, after more than 35 years at the University. After graduating from Bald Eagle Area High School, Bartley attended Penn State and graduated from the Williamsport School of Commerce in the medical secretarial program. She began her career at the University working in Religious Affairs from 1965 to 1969. She worked in various offices including Dean of Student Affairs, Commonwealth campuses; Office of the Vice President for Student Affairs; Senior Vice President and Dean, Commonwealth Educational System; Senior Associate Dean, Commonwealth Educational System; and Office of the Dean, Commonwealth College.

Linda W. Barner, staff assistant VII in Office of the Corporate Controller, from Jan. 1, 1969, to Jan. 1.

Janice E. Barnhart, staff assistant VI in The Smeal College of Business Administration, from Jan. 13, 1986, to April 1.

O. Jean Barrett, coordinator licensing programs in Business Services, from Jan. 1, 1973, to Jan. 20.

Doris J. Bickel, information systems assistant II in The Smeal College of Business Administration, from April 18, 1966, to Jan. 1.

Delbert E. Boarts, sound design supervisor in College of Arts and Architecture, from July 1, 1972, to Jan. 1.

Jerry L. Corman, electrician A in Office of Physical Plant, from March 10, 1966, to March 24.

Janet L. Deneo, staff assistant VI in Office of the President, from Aug. 1, 1986, to April 1.

Joseph R. Doren, maintenance worker/equipment repair in Office of Physical Plant, Oct. 21, 1974, to Dec. 30, 2000.

Alice F. Grady, financial and accounting assistant in College of Medicine, The Hershey Medical Center, from Oct. 22, 1974, to Jan. 17.

Denis E. Graf, janitorial worker at Penn State Beaver, from Aug. 29, 1975, to Jan. 28.

Diane R. Gustine, X-ray supervisor in University Health Services, from April 1, 1985, to April 1.

Elissa S. Johnson, staff assistant VI in University Safety, from April 25, 1973, to Jan. 1.

James J. Lettiere, manager space planning and management in Office of Physical Plant, from Oct. 5, 1983, to April 1.

P. Arleen Liddick, administrative assistant III in Office of the President, from April 1, 1974, to Jan. 1.

JoAnne E. Meisler, staff assistant VI at Penn State Harrisburg, from May 27, 1975, to Jan. 1.

Linda M. Rhine, staff assistant VIII in Division of Outreach and Cooperative Extension, from Jan. 12, 1981, to March 31.

John R. Smith, maintenance utility worker in Office of Physical Plant, from March 22, 1982, to March 31.

Pauline Smith, snack bar attendant in Housing and Food Services, from March 17, 1986, to March 31.

Donald T. Suit, senior director for student affairs in Student Affairs, from Sept. 14, 1972, to Feb. 1.

Robert L. Whitehead, group leader maintenance utility worker at Penn State Hazleton, from March 17, 1986, to April 1.

Emeritus rank

The following individuals have earned emeritus rank from the University for their long-standing and productive years of service:

Roger M. Herman, professor emeritus of physics in Eberly College of Science, from April 1, 1964, to Feb. 2.

Craig R. Humphrey, associate professor emeritus of sociology and American studies in College of the Liberal Arts, from Aug. 1, 1971, to Jan. 1.

Richard B. Mansfield, associate professor emeritus of mathematics in Eberly College of Science, from Sept. 1, 1970, to Jan. 1.

Charles R. Matthews, professor emeritus of chemistry in Eberly College of Science, from Aug. 1, 1975, to Jan. 1.

Siegfried Streufert, professor emeritus of psychology and behavioral science in College of Medicine, The Hershey Medical Center, from Oct. 1, 1979, to Feb. 1.

LECTURES

IST Faculty Academy set for June 18-20

An executive-level look at telecommunications, Pennsylvania's Link-to-Learn program, "Being a Revolutionary" and "Different World — Different Schools" all will be keynote topics for the 2001 Faculty Academy, coordinated by the School of Information Sciences and Technology June 18-20 at the University Park campus.

This year's Faculty Academy has been developed around the theme "Building Bridges for e-Learning." The conference will focus on how to plan and use technology as a building block for the learning environments of the information age. Speakers for the event are:

■ **John Bailey**, director of the Pennsylvania Department of Education's Office of Education Technology, will kick off the 2001 Faculty Academy at 8:45 a.m. June 19 by delving into "Link-to-Learn: Best Practices and New Initiatives."

■ **Daniel J. Whelan**, president and chief executive officer of Verizon Pennsylvania, will share his executive-level viewpoint of the "Factors Affecting Today's Telecommunications Industry" at 6 p.m. June 19.

■ **Cheryl Lemke**, chief executive officer of the Metri Group, will address the impact of change in "Different World — Different School" at 8:30 a.m. June 20.

■ **Roger Schank**, an educator from Northwestern University and founder of the Cognitive Arts Corp., is expected to challenge the thinking of participants with a speech titled "The Future of Education: Do You Want to Be a Revolutionary?" at 1:40 p.m. June 20.

For information or to register, call Malena Moore at (814) 865-7724 or check <http://www.pafaculty.org/>.

Emerging diseases topic of molecular biology symposium

Given recent developments in the escalation of long-standing, as well as novel, viral diseases in the United States and around the world, The 20th Summer Symposium in Molecular Biology will focus on "Emerging Viral Diseases." The topic will be particularly germane to the academic, medical, pharmaceutical, health-care and public-health communities.

The Summer Symposium, an internationally recognized academic program administered by the Department of Biochemistry and Molecular Biology at University Park, will be held June 13-16 in Thomas auditorium, with poster and platform presentations in the HUB-Robson Center.

Each year a program is developed to address current research directions in the medical and molecular biological sciences by University faculty. Historically the program has had significant impact on the scientific community in general, and has further enhanced the visibility and quality of intellectual life at Penn State.

For more information on the symposium, call James McDonel at (814) 863-5487 or e-mail jlm41@psu.edu.

Astronomy open house at Erie

Amateur astronomer Tom Whiting of the Erie County Mobile Observers Group will lecture Friday, June 15, as Open House Nights in Astronomy at Penn State Erie continue.

Whiting will present "Getting Started in Astronomy" at 8 p.m. in 101 Otto Behrend Science Building. He will describe how to observe the night sky and recognize stars, constellations and planets.

If the weather is clear, the Erie County Mobile Observers Group will set up telescopes for observing in the field behind the Otto Behrend Science Building. Astronomical observing also will be available at the Mehelson Observatory.

The lecture is free to the public. For information, call (814) 898-6105.



Private Giving

Gift will provide for restoration of Carnegie

The Carnegie Building on the University Park campus holds memories for generations of Penn Staters — from its beginnings as a library, to having served as a "second home" to hundreds of *Daily Collegian* staffers, to its current presence as the edifice that represents the College of Communications to thousands of current and former students.

With the building's centennial anniversary just around the corner, a gift from Lawrence G. and Ellen Miller Foster will preserve the building's status as one of the grand old buildings central to the University — both physically and sentimentally. The Fosters have given the college \$515,000 to restore Carnegie Building's entrance, lobby, conference room and student-services area.

The largest single cash gift ever given to the college by its alumni, the funds will provide an array of improvements, while retaining the structure's elegance.

Among the planned improvements are the removal of the existing entrance's vestibule, giving increased space to the lobby; improved signage; refinished walls, floor, and ceiling; new light fixtures; new furniture; and artwork for the walls. A remodeled conference room will include hardwood shelving for books by college faculty and alumni, new flooring and carpet, and furnishings. The student services area will be expanded and will include hardwood casework, wainscot and paneling, new flooring and carpeting, and furnishings.

Renovations will begin this summer and are expected to be complete by spring 2002.

Lawrence and Ellen Foster are readily recognizable names with a strong history of giving to the University. In addition to having established a communications scholarship, the couple gave \$500,000 in 1997 to establish the Foster Professorship in Communications, held by Gene Foreman, to support new state-



Lawrence G. and Ellen Miller Foster have given a great deal to the University over the years. Their latest gift of \$515,000 will spruce up Carnegie Building on the University Park campus in time for its centennial anniversary.

ties for improving students' writing skills. The Fosters also have supported the University Libraries through the Larry and Ellen Foster Communications Librarian Endowment and funding to build the Foster Auditorium, a tiered, 134-seat facility in Pattee Library.

Lawrence Foster, a 1948 graduate with a degree in journalism, Distinguished Alumnus and Lion's Paw Medal recipient, retired in 1990 as vice president of public relations at Johnson & Johnson. In 1999, he was named to the Top 10 of *PR Week* magazine's "100 Most Influential PR People of the 20th Century." That same year, he published the 673-page *Robert Wood Johnson: The Gentleman Rebel*.

Foster served on the Penn State Board of

Trustees from 1980 to 1989, and was president of the Alumni Association and the Penn State Fund Council. Before joining Johnson & Johnson, he was a reporter, bureau chief and night editor of New Jersey's *Newark News*.

Ellen Miller Foster, a 1949 graduate in arts and letters has, along with her husband, been committed for many years to philanthropy at Penn State. It was she who reminded Lawrence Foster of how they used to meet at the *Collegian* office in the Carnegie Building during their courting days. While sentiment played a role, the couple said their primary motivation for the gift was to help the College of Communications become one of the best in the nation.

Couple gives \$100,000 for graduate fellowship in English

George and Barbara Kelly of Palo Alto, Calif., have given \$100,000 to the Department of English. The George and Barbara Kelly Graduate Fellowship in 19th-Century English and American Literature will be awarded to an outstanding graduate student in that area.

The Kellys both are 1959 Penn State graduates. Barbara has been the book review editor of the *Emily Dickinson International Society Bulletin* since 1994 and is a board member and secretary of the Emily Dickinson International Society. George is a retired

partner from Deloitte and Touche, an international accounting firm, and serves on several corporate boards.

The couple's shared interest in 19th-century English and American Literature led to their interest in supporting the department. Their previous support to the University includes creation of the Emily Dickinson Lectureship in American Poetry, an endowment for library support and a professorship in American Literature. The Kellys are members of the Development Council in the College of the Liberal Arts.

Funds to support hematology research

Mildred P. Squires of Shippensburg has established a \$487,000 trust to support research in the field of hematology at The College of Medicine at the Milton S. Eshesky Medical Center.

Squires made the gift in honor of her late husband, Jack Squires, who died in 1999.

Hematology is the study of blood and disorders that affect it. Jack Squires suffered from a type of hematological malignancy and was treated for it at the medical center for more than two years.

This trust will have a significant impact on research and care in the hematology and oncology unit, according to W. Christopher Ehmann, associate professor of medicine in the division of hematology and oncology, and Jack Squires' primary physician at the Medical Center.

Ehmann said he anticipates using the gift as seed money for research into hematological and similar disorders.

Alumnus creates graduate fellowship

Alumnus Robert C. Daniels of Villanova has given \$125,000 to fund a graduate fellowship in the Department of Economics in the College of the Liberal Arts. The Robert C. Daniels Graduate Fellowship in Economics provides the department with its first graduate fellowship.

Daniels, who has experience on the development boards of the College of the Liberal Arts, Duke University and Temple University Law School, graduated from Penn State in 1959 with a degree in arts and letters. He was a First Honor Graduate from Temple University School of Law in 1962 and later was a judicial law clerk in the U.S. District Court for the Eastern District of Pennsylvania. Over the years he built a successful law practice in Philadelphia.

He has served as chancellor of the Philadelphia Bar Association, president of the Philadelphia Trial Lawyers Association, chairman of the Disciplinary Board of the Supreme Court of Pennsylvania and as a member of the Philadelphia Bar Foundation, the charitable arm of the Philadelphia Bar Association.

5 appointed to the leadership of the CIC Academic Leadership Program

The Committee on Institutional Cooperation's Academic Leadership Program has gained five additional Fellows from the Penn State ranks. The CIC is the academic consortium of the Big Ten universities plus the University of Chicago.

Through the leadership program, participants who have demonstrated exceptional ability and administrative promise are aided in further developing their leadership and managerial skills. Those selected from the University for the 2001-02 program have been chosen because of their past contributions and potential to undertake key leadership responsibilities at the University. Participants for 2001-2002 are:

■ Peter Alexander, professor of law and elected chair of the Dickinson Faculty in The Dickinson School of Law;

■ Edgar Farmer, associate professor of education in the College of Education and director of the Postsecondary Technical and Community College Leadership in the Workforce Education and Development Program;

■ Karin Foley, assistant dean in the Eberly College of Science;

■ Bonnie MacEwan, 2001-02 Administrative Fellow and assistant dean for collections in the University Libraries; and

■ John Moore, chair-elect of the 2001-02 University Faculty Senate and associate professor of English in the College of the Liberal Arts.

The Academic Leadership Program involves the Fellows in a series of three, two-day seminars plus readings and participation in related activities on their home campuses between seminars. The program is specifically geared toward answering the challenges of academic administration at major research universities. Fellows are appointed to terms of one year and funding is provided by participating institutions.

For more information on the CIC, visit the Web at <http://www.cic.uiuc.edu/>.



Arts & Entertainment

MetaStages

MetaStages, a program of the School of Theatre, announces registration for summer drama camps to be held on the University Park campus. Workshops are taught by professional faculty in acting, mime, movement, voice, improvisation and art. Each week culminates with a performance.

There are four one week camps: July 16-20, July 23-27, July 29-Aug. 3 and Aug. 6-10. Enrollment is strictly limited, and there are separate groups for students ages 9-11 years and ages 12-18 years.

For information, contact Joann Leonard at (814) 867-8390.

Space photography exhibit

The Pennsylvania Space Grant Consortium is sponsoring the NASA photo exhibit "Sightseeing: A Space Panorama" through Aug. 20 in the Pattee Library exhibit area on the University Park campus.

The exhibit features images taken by astronauts during the Gemini, Apollo, Skylab and early space shuttle missions. Pattee Library also will feature images of Penn State astronauts in the glass cases adjacent to the Foster Auditorium entrance.

For information, call Angela Phelps at (814) 863-3608, e-mail her at axp41@psu.edu or visit <http://www.psu.edu/spacegrant/outreach.html>.

Photos exhibited

"Blind Spots," a selection of photos by Denton W. Smith Jr., will be exhibited through Aug. 12 in Kern Exhibition Area of Kern Commons Building on the University Park campus.

Smith said his photos present a truck driver's view of American highways and what he sees looking down from his rig's cab.

Nature photographs

Photographs by Jake Waldman are being exhibited through Sept. 16 in North Halls on the University Park campus.

Graduate student Waldman features plants and nature scenes from the Albany region of New York in this color photograph display.

For information on other exhibits, visit the Web site <http://www.sa.psu.edu/galleries>.

BOOK SHELF

Lonnie Golden, associate professor of economics at Penn State Delaware County.

Working Time: International Trends, Theories and Policy Perspectives, published by Routledge Press, New York.

Whether aspiring to be CEO of a multinational corporation or working as a burger flipper at McDonald's, chances are that workers are putting in more than the accepted standard of 40 hours per work week, according to this book, co-edited and co-written by Golden and

Deborah M. Figart, professor of economics at Richard Stockton College. The book studies the issue of why work time is increasing for many workers, and the impact. The book includes 15 chapters written by highly respected economists in academia who delve into industry-specific, country-by-country and legislative issues, among others.

Mark L. Latash, professor of kinesiology, and **Vladimir M. Zatsiorsky**, professor of kinesiology and director of the Biomechanics Laboratory.



Seymour, Brian Herndon, feeds his unusual plant played by Mark Olsen, puppeteer, in the play "Little Shop of Horrors." The play runs June 8-16 at The Playhouse. This is a G-rated monster musical for the entire family. For tickets, call (814) 863-0255.

Photo: Greg Griffo

Prints exhibited

"Anodyne," an exhibit of prints by Stephen E. Nelson, will be displayed through Sept. 24 at the Art Alley in the HUB-Robeson Center on the University Park campus.

Nelson is exhibiting a series of collages made by overlaying found images, original photographs and some hand drawings, built layer by layer to achieve an aesthetic effect.

Classics in Movement Science, Champaign, Ill., Human Kinetics, 2001.

Latash and Zatsiorsky have edited this book that includes influential studies from the past together with commentaries, both historical and scientific, written by contemporary authorities in movement science. The book covers biomechanics, neurophysiology and motor control. Five members of the Department of Kinesiology, **Karl Newell**, **Dagmar Sternad**, **David Vaitancourt**, **Mark Latash** and **Vladimir Zatsiorsky**, contributed their commentaries to the volume.

Robert Lima, professor of Spanish and comparative literature.

Texts and Contexts: A Tribute to Beno Weiss, published by The Orlando Press.

The book has been published in conjunction with the retirement of Weiss, professor of Italian. The book has been edited by Lima who also wrote the preface. It contains an introduction by noted Italianist Olga Ragusa, Da Ponte professor emeritus of Columbia University. The book contains six essays by Weiss and personal memorabilia, along with photographs.

UNIVERSITY PARK CALENDAR

June 8 - June 21 SPECIAL EVENTS

Friday, June 8

Twelfth Night, Shakespeare at the Palmer, adapted and directed by Bob Barton, 2 p.m. June 9 and 10; 6 p.m. June 8, 9 and 10; outdoor plaza, Palmer Museum. *Little Shop of Horrors*, composed by Miles Goodman, Alan Menken and Howard Ashman, The Playhouse, through June 16. For tickets, call (814) 863-0255.

Saturday, June 9

Printmaking Workshops for Families, call (814) 865-7672.

"Drop-In," gallery talk, 2 p.m., June 9, 16, 23 and 30; July 7, 14, 21 and 28; and Aug. 4, 11, 18 and 25; Palmer Museum.

Sunday, June 10

Act Out! Shakespeare at the Palmer, 1 p.m. June 10, 17 and 24, Palmer Museum.

Tuesday, June 12

Charles Jacques, slide presentation and talk, "A Thrill a Minute," amusement park memorabilia, 2 p.m., Foster Auditorium, Pattee Library.

Friday, June 15

"Impressionism in Print: Etchings and Lithographs by Childe Hassam," gallery talk by Jennifer Noonan, 1 p.m., Palmer Museum.

"Love's Labour's Lost," Shakespeare at the Palmer, adapted and directed by Heidi Winters Vogel, 2 and 6 p.m. June 16, 17, 23 and 24; 6 p.m. June 15 and 22; outdoor plaza, Palmer Museum.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through

Aug. 16.

"Sightseeing: A Space Panorama," photographs from NASA space missions, through Aug. 21.

"Three Award Winning Medalists," by Jeanne Stevens-Sollman, Leona Finke and Karen Worth, through Sept. 16.

"Anodyne," prints by Stephen E. Nelson, through Sept. 24.

Kern exhibit area

"Blind Spots," photography by Denton W. Smith Jr., through Aug. 12.

North Halls exhibit area

Photographs by Jake Waldman, through Sept. 16.

Palmer Museum of Art

"From Main Street to Moscow by Way of Rails and Sails: History of Transportation in Pennsylvania Prints from the Permanent Collection," through Sept. 2.

"Wit and Wine: A New Look at Ancient Iranian Ceramics from the Arthur M. Sackler Foundation," June 12 through Aug. 12.

"Impressionism in Print: Etchings and Lithographs by Childe Hassam," through Sept. 9.

Pattee and Paterno Library exhibit areas

19th-century American Untypes, through Aug. 15.

"The Great Exhibition of 1851: The Charles W. Mann Jr. Crystal Palace Collection," through Aug. 1.

"Pennsylvania Amusement Parks: The Charles and Betty Jacques Amusement Park Collection," through Aug. 15.

"Comfy Cozy," working display of muslin pillows, by Harriet Hacker, through July 1.

"The Digital Photography Studio, Student Photographs," through Aug. 10.

"Overlooked Visions of the Past Century," through Aug. 10.

"Sightseeing: A Space Panorama," through Aug. 20.

Ritenour Center

"Secret Strengths," photos by Rebecca Porter, through Sept. 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

E-commerce camp

Don't expect swimming, canoeing, grilled food and ghost stories at a campfire at the summer camps being offered at Pennsylvania College of Technology. Instead, the middle- and high-school students attending these summer camps offered by Penn College's Technology Transfer Center will learn about a variety of topics including Web-page design, development and marketing; effective Internet navigation; and computer graphics.

The E-Commerce Summer Camp will be offered in two sessions: one for high-school students from June 18-22, and another for middle-school students from June 25-29. Both sessions will run from 9 a.m. to 1 p.m. each day.

The E-Commerce Summer Camp project is supported, in part, by funds from the state's Link-to-Learn initiative. For information, call (570) 327-4775, or e-mail tcemail@pct.edu.

LIAS orientation

Orientation sessions to the new online catalog in LIAS, the Library Information Access System, are scheduled twice a week through July 20. The one-hour sessions, offered by Libraries Instructional Programs, will be held in the Foster Auditorium, 101 Pattee Library. No registration is required. For dates, check the Web at <http://www.libraries.psu.edu/crsweb/instruction/tp/CAT.htm> or call (814) 865-9257.

Science camps

What gives fireworks their color? How does cloning work? How does an investigator determine the cause of a fire? These are just some of the mysteries students will explore at Penn State's Action Potential Science Experience, a series of day and resident camps to be held this summer at University Park.

Participants will conduct research in classrooms and laboratories alongside faculty, graduate students and undergraduate mentors. Instructors will use hands-on experiments, exhibits, laboratory specimens and computer animation to enhance the learning experience. Camps are offered in biology, chemistry and forensics.

More information is available on the Web at <http://www.outreach.psu.edu/C&I/ActionPotential>. For more information about program content, call Rebecca Moore Peterson at (814) 865-8780 or e-mail rmpp@psu.edu. For more information about registration, call Kathy Karchner at (814) 863-5100 or e-mail ConferenceInfo1@outreach.psu.edu.



Monte Whitehill, a painter for the Office of Physical Plant, works on some trim on Irvin Hall on the University Park campus. With most of the students gone from the campus for the summer, the University has several routine maintenance projects under way.

Photo: Greg Grieco

Volunteer opportunities

The Food Lab on the University Park campus needs people ages 20-45 to participate in a study of food-related behavior. The study consists of eating lunch in the lab in Henderson Building one day a week for four weeks. Participants will be paid.

The Food Lab also needs people ages 20-45 to participate in a study of food-related behavior. The study consists of eating an afternoon snack and dinner in the lab in Henderson Building one day a week for four weeks. Participants will be paid.

If interested in either study, call Angie at (814) 863-8482 between 9 a.m. and 4 p.m. Monday through Friday.

Another study at the Food Lab needs people ages 20-55 to participate in a weight-loss study.

Participants must be reasonably healthy but moderately overweight and willing to come to the University Park campus for regular clinic visits over a one year period.

Participants must not be afflicted with diabetes mellitus requiring insulin or have other serious health conditions.

Diet counseling will be provided during the study along with lab results and monetary compensation. If you are interested in participating, call (814) 865-5680. Give your name, mention that you are interested in the weight loss study and give us a number where you can be reached.

Board members sought

Faculty and staff who are members of Phi Beta Kappa and are interested in serving as a board members for the local chapter are urged to call Dennis Shea at (814) 863-2901 or e-mail dgsa@psu.edu. The board meets once a month and its activities include the selection of students for several scholarship awards, reviewing student records for membership and planning the annual induction ceremony.

PROMOTIONS

Staff

Anna S. Homan, staff assistant VII in Office of the Senior Vice President for Finance and Business

Stephen P. Homan, microcomputer information specialist in College of the Liberal Arts

Tracey B. Jackson, microcomputer information specialist in College of the Liberal Arts

Debra L. King, staff assistant VI in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Melanie J. Macknaic, administrative assistant II in College of Agricultural Sciences

Jacqueline A. Magness, staff assistant VIII in Applied Research Laboratory

Patricia A. McClellan, staff assistant V at Penn State Erie

Barbara J. McNichol, staff assistant VI in Division of Development and Alumni Relations

Debra A. Mitchell, staff assistant VI in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Linda S. Moist, instructional materials designer in Division of Outreach and Cooperative Extension

William L. Mountz, systems engineer I in Computer and Information Systems—Administrative Systems

Phillip A. Monselle, microcomputer information specialist in College of the Liberal Arts

Melissa A. Price, microcomputer information specialist in College of the Liberal Arts

Geraldine B. Reeve, staff assistant VI in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Michael D. Riden, microcomputer information specialist in College of the Liberal Arts

Stefanie A. Rocco, instructional designer in

Division of Outreach and Cooperative Extension

Anita D. Sather, student aid adviser in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Joshua Schiefel, microcomputer information specialist in College of the Liberal Arts

Aaron J. Settlemeyer, microcomputer information specialist in College of the Liberal Arts

Lynne D. Shala, lead project coordinator/ Web developer in The Smeal College of Business Administration

P. Renee Shuey, systems engineer I in Computer and Information Systems—Administrative Systems

Timothy L. Shuey, manager, financial and administrative services at The Penn State Conference Center Hotel

Margaret A. Shupenko, staff assistant VI at Penn State Erie

Christopher A. Sills, advanced engineering aide in Applied Research Laboratory

Laura A. Stocher, writer/editor in Office of University Relations, Development Communications and Special Projects

Kaspar Stromme, research programmer in Center for Academic Computing

Ruth E. Sutley, financial and accounting assistant in Office of International Programs, Office of the Executive Vice President and Provost

Bobby L. White, associate director II in Division of Development and Alumni Relations

Sandra D. Wingard, microcomputer information specialist in College of the Liberal Arts

Mark E. Witherite, research support assistant in Eberly College of Science

Ethel M. Wolfe, staff assistant VI in University Libraries



Awards

Physicist receives Fulbright Fellowship

Jorge Pullin, professor of physics, has been awarded support through the Fulbright Scholar Award Program to visit the University of the Republic in Uruguay.

A member of the faculty since 1993, Pullin has done research involving studies of colliding black holes, gravitational waves and quantum gravity. He plans to focus on recent advances regarding quantum gravity during his time in Uruguay.

The Fulbright Program, recognized as the U.S. government's flagship program in international educational exchange, was created in 1946 as part of an effort to promote "mutual understanding between the people of the United States and the people of other countries of the world." Each year, the program sends approximately 800 U.S. faculty and professionals to 140 countries to conduct research, lecture or participate in seminars while about 800 foreign faculty come to the United States.



Jorge Pullin

DeMartino wins Caldwell Service Award

Kathy DeMartino has been awarded the Office of Administrative Systems' 2001 Thomas R. Caldwell Service Award for Excellence.

DeMartino, a systems planning specialist III in OAS' Advanced Technologies and Special Projects, received a certificate, a wall plaque, gift certificate and a luncheon in her honor. A permanent plaque listing the previous honorees is on display in 2 Shields Building on the University Park campus.

The Thomas R. Caldwell Service

Award for Excellence is named for former Penn State employee Tom Caldwell, a senior systems analyst in OAS for more than 15 years, who died in a house fire April 10, 1991.

The award is selected by OAS employees. Nominees are judged on the following criteria: dedication to their job, interpersonal relations and outstanding job knowledge.



Kathy DeMartino

Grant awarded to Center for Dirt, Gravel Road Studies

The Center for Dirt and Gravel Road Studies recently was awarded a grant of \$390,000 from Pennsylvania's State Conservation Commission.

The funds will be used by the center to conduct training and technical outreach in support of Pennsylvania's Dirt and Gravel Road Program. The goal is to minimize the environmental impact of unpaved roads.

Unpaved roads are a major contributor of sediment to commonwealth streams and rivers. In April 1997, the Pennsylvania General Assembly and Gov. Tom Ridge recognized the importance of preventing dust and sediment pollution from unpaved roads by enacting into law the Dirt and Gravel Road Maintenance Program. The State Conservation Commission is the administrator of the program.

The Center for Dirt and Gravel Road Studies is an interdisciplinary effort by faculty from the Materials Research Institute, The Pennsylvania Transportation Institute and the Environmental Resources Research Institute. The center is directed by Michael Silsbee. Barry Schetz is co-director.

Fulbright Scholar Award goes to PTI researcher

Lily Elefteriadou, associate professor of civil engineering and research associate at the Pennsylvania Transportation Institute (PTI), has won a Fulbright Scholar Award to study and teach at Technical University of Delft, the Netherlands, during the 2001-02 academic year.

Elefteriadou will study the traffic operational analysis methods developed and used in the Netherlands as well as other European countries. She plans to compare her studies abroad with work conducted to improve traffic conditions in the United States.

Elefteriadou is a member of the Transportation

Research Board's Highway Capacity and Quality Service Committee and has chaired its ramps/weaving subgroup. She currently is chairing the two-lane highway subcommittee of the Highway Capacity committee and she also is a member of the Vehicle Size and Weight Committee of the Transportation Research Board.

Her work with the Pennsylvania Department of Transportation resulted in the development of bicycle-friendly rumble strips and a traffic signal maintenance course. She also developed guidelines for the use of traffic signal control equipment for the Pennsylvania Department of Transportation.

Communications faculty standouts lauded

Five College of Communications faculty were recently honored for excellence in teaching, research, service and integrated scholarship.

Communications Dean Douglas Anderson presented the awards on behalf of himself; Richard Barton, associate dean for graduate studies and research; and Robert Richards, associate dean for undergraduate education and faculty development.

The 2000-2001 recipients of the Deans' Excellence Awards were: Rod Bingham, lecturer in film/video, for teaching; Rob Frieden, professor of telecommunications, for research; and Ann Marie Major, assistant professor of communications, for service. Mary Beth Oliver, associate professor of communications, and Clay Calvert, assistant professor of communications and law, each received the Deans' Excellence Award for Integrated Scholarship.

Bingham teaches courses in film directing, advanced film projects and narrative filmmaking. He also acted as writer, director and co-editor of an 86-minute film, completed and exhibited this past year, that involved several of his students.

Frieden recently published a 480-page book, *Managing Internet-Driven Change in International Telecommunications*. This past year, he participated in a wide range of seminars and workshops, presented two papers at a national conference and wrote a number of reports and white papers.

Major was honored for her internal and external service to the College of Communications. She serves on several department, college and university committees and is an active member of six academic or professional organizations.

Anderson also noted Major's internal service, including contributions to the Public Relations Student Society of America and her work to establish a funded awards program with Distinguished Alumnus Lawrence G. Foster.

Both Oliver and Calvert were recognized for their integration of teaching, research and service.

Oliver consistently receives outstanding student evalua-



Rod Bingham



Rob Frieden



Ann Marie Major



Mary Beth Oliver



Clay Calvert

tions and has succeeded in actively involving her students, encouraging greater group collaboration and increasing student interest and enthusiasm for the research process. This year, she has published a journal article and book chapter, presented five papers at national conferences and currently has three journal articles under review.

Calvert, who serves as director of the college's First-Year Seminars Program and co-director of the Pennsylvania Center for the First Amendment, was honored for versatility in the classroom.

Calvert also stands out as one of the country's most productive communications law scholars. He has published more than 25 law journal articles as well as his first book, *Voyeur Nation: Media, Privacy and Peering in Modern Culture*.

Wilkes-Barre presents annual Hayfield Awards

Mary E. Hines, campus executive officer at Penn State Wilkes-Barre, presented the Hayfield Awards at a recent campus gathering. The awards are given annually to honor outstanding citizens of the campus and community.

Charles D. Ghilani, associate professor of engineering, received the Professional Development Award. This award is given to a person who has achieved significant recognition from external colleagues in his professional field. Ghilani received the Earl J. Fennell Award from the American Congress on Surveying and Mapping for "Outstanding Contributions to Surveying and Mapping Education." He has authored several professional surveying publications and developed Internet-based programs in surveying education, which are delivered exclusively through Penn State Wilkes-Barre.

The Innovation Award was presented to Brian Katyl, computer/telecommunications specialist. This award is given to

an individual or team who has made a significant contribution to the campus through innovation by initiating a new program, activity or service. Katyl was cited for his efforts in redesigning the campus Web server for more efficient operation, upgrading Information Sciences and Technology computer labs and setting up a domain for all student clubs. This domain included a Web server that gave the Radio Club the capability to broadcast live over the Internet.

Christyne Berzensky, assistant professor of English, received the Fran Brown Humanitarian Award. This award is given to someone who has made contributions, beyond their job responsibilities, to humanizing life within the campus by consistently demonstrating concern for others. Berzensky co-chaired the Campus Environment Team and was involved with the Diversity Club and PEACE. In addition, she has raised the issues of diversity in the classroom to broaden students' grasp of social concerns.



Awards

EMS honors faculty for teaching, research and service

Six faculty members from the College of Earth and Mineral Sciences have been recognized for their contributions to the college and the University with the Wilson Awards for Outstanding Teaching, Excellence in Research and Outstanding Service.

The 2001 Wilson Award recipients for teaching were Lorraine Dowler, assistant professor of geography and women's studies; Semih Eser, associate professor of energy and geoenvironmental engineering; and Suzanne Mohney, associate professor of materials science and engineering. Hiroshi Ohmoto, professor of geosciences, and Darrell Schlom, associate professor of materials science and engineering, were recognized for their research activities. Lakshman Yapa, associate professor of geography, received the Wilson Award for Outstanding Service.

Dowler was recognized for her commitment to quality teaching and mentoring. She joined the EMS faculty in 1997 and has influenced her students — both graduate and undergraduate — through her teaching and mentoring activities. Dowler is praised by her students for creating an engaging and nonintimidating atmosphere that allows them to perform at optimum levels. She also is applauded for setting high standards for her students and herself,



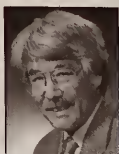
Lorraine Dowler



Semih Eser



Suzanne Mohney



Hiroshi Ohmoto



Darrell Schlom



Lakshman Yapa

being available to assist students both within and outside of the classroom and consistently promoting diversity in her courses.

Eser was cited for the environment he creates within the classroom by listening to, respecting and encouraging participation from all students. Eser's enthusiasm for teaching and learning is reflected in the letters nominating him for the Wilson Teaching Award. His students applaud him for his extensive knowledge of his subject matter and an instruction style encourages students to learn all they can about the world, their environment, energy engineering and energy policy.

Mohney was honored for her ability to strike a balance between theory and real-world applications of materials engineering. Her students praise her for being exceptionally hard-working, inspiring and for her

"infectious enthusiasm." Mohney is respectful of her students' needs, good at gauging their level of understanding and concerned about her students working environment. She is praised for her good humor and a teaching style that promotes discussion and learning.

Ohmoto was acknowledged for his recent research that has contributed to the fundamental understanding of the chemical and biological evolution of the Earth. His current research efforts focus on the origins of life on Earth and the rise of oxygen. As a result of isotopic studies of rocks collected all over the planet, Ohmoto has proposed an alternative to conventional wisdom that extends the tenure of life on Earth from 2 billion to 4 billion years.

Schlom is being recognized for his contributions to the field of molecular beam

epitaxy of thin film oxides that has led to more than 120 research papers and six patents for electronic and photonic applications. In a relatively short career, Schlom has made substantial and important contributions to this area of materials research and had a significant impact on the semiconductor and integrated circuit industries.

Yapa is the driving force behind the Philadelphia Field Project — a nationally and internationally recognized program designed to provide opportunities for students to learn through service. The project integrates teaching, research and service in a manner that challenges and inspires students to make a difference as they reside and volunteer in low-income communities. His work is being duplicated across the United States and in the Arab world.

Penn College presents awards to faculty, staff

Faculty members in biology and business administration were the recipients of the Excellence in Teaching awards presented by Pennsylvania College of Technology. In addition, the college recently presented its Distinguished Staff Awards and a Part-time Teaching Excellence Award, while also honoring retirees and the newest members of the College's "Quarter-Century Club."

The Excellence in Teaching awards went to Ann Marie Furdock, associate professor of biology, and Irwin H. Siegel, assistant professor of business administration. The awards are presented each May to full-time faculty members who have been nominated by students and colleagues for the excellence of their instructional performance.

Furdock has taught at Penn College since 1983. She was promoted to assistant professor in 1988 and to associate professor in 1992. Furdock earned her bachelor's and master's degrees from the University of Scranton. She has teaching experience at the secondary level and has served as head of her current department.

Siegel began work at Penn College in 1998 as an assistant professor. He earned a bachelor's degree from Lebanon Valley College, a law degree from Dickinson School of Law, a master's of law degree from Widener University School of Law and a doctorate in education from Penn State. In addition, he has extensive experience in general law practice and in the financial world.

Since 1982, 59 Distinguished Teaching Awards have been presented at Penn College, and 42 of those honorees continue to teach at the institution.

The Distinguished Staff Awards, now in their sixth year, recognize the contributions of Penn College's full-time employees, who are nominated by their peers. Awards were presented to one employee each from the college's three staff classifications: administrative, professional and technical (APT); classified; and service.

For the APT classification, the 2001 Distinguished Staff award was presented to Steven P. Jacobson, director of residence life since July 1996. In just over four years, he has taken a college with no on-campus housing to one with a comprehensive and nationally respected residence life program.

This year's Distinguished Staff award for a classified employee went to Kristy L. Gordon, secretary to the assistant dean of the School of Business and Computer Technologies. Gordon began at the college in various part-time capacities in 1990 and became full-time that August as the secretary for Support Services for Disadvantaged Students. She transferred to her current position in 1993.

The 2001 Distinguished Staff award winner in the service classification was Donald J. Luke, facility assistant/lead person for General Services. Luke started working as a custodian in September 1990 before being promoted to his current position.

The Part-time Teaching Excellence Award was presented to Barbie D. Hoover, instructor of nursing/practical nursing, who started at Penn College in September 1990. Hoover, a registered nurse with a bachelor's degree in nursing from Lycoming College, also works for Susquehanna Health System as a staff nurse in the Cardiorespiratory Step Down Unit at Williamsport Hospital. She has worked in various capacities with Susquehanna Health System since 1982.

Faculty members honored for 25 years of service to Penn College and its predecessor, the Williamsport Area Community College, were: Scott B. Appleman, heavy construction equipment technology; Elizabeth A. Dahlgren, business administration; and Glenn F. Kline, diesel technology. APT staff members honored for 25 years of service were: Diana L. Kuhns, acting dean for integrated studies; Linda M. McFadden, assistant bursar; and Donald O. Praster, assistant dean for industrial engineering.

Several honored at Worthington Scranton

Penn State Worthington Scranton recently presented its annual campus employee awards.

The Gertrude Hawley Chocolates Service Award, for an individual whose contributions have benefited the day-to-day activities of the students, campus and community, was presented to Norbert J. Mayr, associate professor of history.

Bagisat Mukherjee, assistant professor of mathematics, received the Richard and Sally Matthews Award for Scholarly Activity. The Matthews Award is presented to a campus faculty member in recognition of scholarly and research activities.

Cynthia Mailoux, instructor of nursing, was the recipient of the Advisory Board Award for Teaching, which is given each year to a faculty member who has demonstrated innovative and dedicated teaching techniques in academic endeavors.

The recipient of the Award for Excellence in Support Services was Robert Nelson, technical services/maintenance. The award recognizes staff assistants or technical services employees for their contributions to the teaching-learning climate of the campus.

Sharing the Award for Excellence in Administrative Services were Deborah Brandt Johnson, public information and media relations specialist, and Marilee Mulvey, network and information systems manager. The award recognizes campus administration or managers for innovative and creative program development.

The first-ever David and Joyce Mack Tressler Award for Professional Development was presented to Dawn Gomez, career services and EOP coordinator. This award provides funds for professional development initiatives and opportunities for faculty, staff, administration and technical service employees.

A special recognition award was presented to Dr. Thomas F. Clauss for his longtime service as physician for the campus athletic program.



Penn Staters

John Bowman and **Ann Shostrom**, assistant professors of art, are participating in an invitational group exhibition titled "Counting Coup," a response to the last presidential election. The exhibition, curated by Scott Hoffman, opened at the Theatre for the New City, New York.

Mary Ann Bruns, assistant professor of agronomy and soil microbiology, presented an invited paper "Fate of Fecal Bacteria Following Land Application of Municipal Sludge" at the U.S.-Egypt Planning Workshop on Microbial Ecology in Cairo, Egypt.

William Burgos, assistant professor of civil and environmental engineering, was an invited speaker at the annual meeting of the Department of Energy's Natural and Accelerated Bioremediation Research Program at Warrenton, Va. He presented the talk titled "Reaction-based Modeling of Quinone-mediated Bacterial Iron (III) Reduction."

A. Welford Costleman Jr., Evan Pugh professor of chemistry and physics and Eberly Family distinguished chair in science, received the Jost Memorial Award from the German Chemical Society. The award honors the memory of kineticist and solid-state chemist Wilhelm Jost and includes a lectureship tour of the seven universities in Germany where he spent his career. Those are: Berlin, Darmstadt, Goettingen, Halle, Hanover, Leipzig and Marburg.

Paul H. Cohen, distinguished professor of industrial and manufacturing engineering, received the Institute of Industrial Engineering's Fellow Award at the IIE Annual Conference in Dallas. The award recognizes outstanding members who have made significant, nationally recognized contributions to industrial engineering. It is the highest classification of IIE membership.

Andrew Cole, associate director of the Center for Watershed Stewardship and research associate in the Cooperative Wetlands Center, was appointed editor of the *Bulletin of the Society of Wetland Scientists*.

Nancy L. Eaton, dean of University Libraries, has been appointed to the National Digital Strategy Advisory Board of the Library of Congress. The group will examine strategies that will ensure the safekeeping of digital materials for posterity. The advisory board is made up of people with expertise in the collection and maintenance of archives and digital materials; as well as representatives of private business organizations involved in efforts to preserve, collect and disseminate digital information.

Julie Anne Fabisz-Swartz, extension agent in Philadelphia County, taught marketing on a Agriculture Cooperative Development International/Volunteers in Overseas Cooperative Assistance assignment in Omsk, Siberia, Russia. ACADI/VOCA is a private, nonprofit organization that identifies and opens economic opportunities for farmers and other entrepreneurs worldwide by promoting principles and market liberalization, building international cooperative partnerships, and encouraging the sound management of natural resources.

Hector Flores, professor of plant pathology, currently on leave at the National Science Foundation, has been named to the editorial board of the journal *Plant Physiology and Biochemistry*. Flores also is president-elect of the Phytochemical Society of North America.

Linda Friend, head of the Department for Information Technologies, University Libraries, was chosen as a participant of the 2002 Frye Leadership Institute. The Frye Leadership Institute provides a two-week residential program at

Emory College, Atlanta, where participants work with well-known speakers and about 45 other information technology professionals employed in higher education.

Charles Garoian, director of the School of Visual Arts and professor of art education, and **Yvonne Gaudelins**, assistant professor of art education and women's studies, presented a paper, "Cyborg Pedagogy: Performing Resistance in the Digital Age," at the Seventh Performance Studies International Conference held at the Universität Mainz, Germany.

Kristi Jensen, librarian in the Earth and Mineral Sciences Library, University Libraries, was chosen to participate in the Library of Congress' Geography and Map Division 50th Anniversary Special Project. Jensen will join five other representatives from around the United States in Washington, D.C., for the five-week project which runs July 8 to Aug. 10. The project will allow Jensen to bring copies of maps and atlases from the Geography and Map Division's duplicates collection for addition to the Libraries' collections.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Institute, gave an invited talk on "New Strategies in Low Temperature Synthesis" at an International Symposium on Soft Solution Processing in Tokyo, Japan. He also gave invited lectures on "Synthetic Clays for Soil Remediation" at Japan Atomic Energy Research Establishment and on "Novel Clays for Separation of Radioactive Ions" at Japan Nuclear Cycle Development Institute, Tokai Works.

Richard Lang, lecturer in Information Sciences and Technology at Penn State Abington, has been named editor of the *Journal of Healthcare Information Management*, a publication specifically for health-care information and management systems professionals.

Dennis Lin, professor of management science and information systems in The Smeal College of Business Administration as well as an adjunct professor in the Department of Statistics and the Department of Industrial Manufacturing Engineering, has been appointed Honorary Chair Professor of Xian Statistical Institute in China, the official statistical institute in China. The Honorary Chair Professorship is the highest recognition from the institute for professional contribution.

Beverly Lindsay, dean of the Office of International Programs (UIOP), **Khalilpha Bility**, head and senior program officer for UIOP's International Partnerships and Academic Linkages (IPAL); and **Ruth Mendum**, IPAL program manager, attended the annual Global Partnerships Conference, "Higher Education Partnerships and Global Development." The conference, held in Washington, D.C., was sponsored by the U.S. Agency for International Development, the Education for Development and Democracy Initiative, and the U.S. Department of Education. Keynote speaker at the conference was U.S. Secretary of State Colin Powell, who spoke with Lindsay about Penn State after his presentation.

Alphonso Lingis, professor of philosophy, was a keynote speaker at the United Nations' International Conference, "Dialogue among Civilizations," in Vilnius, Lithuania. Conference workshop presenters included heads of states, scholars in comparative civilizations and artists who discussed ways to build mutual understanding among civilizations.

Digby D. Macdonald, director of the Center for Electrochemical Science and Technology and professor of materials science and engineering, presented two lectures in

Moscow. At the Frumkin Institute of Electrochemistry, Russian Academy of Sciences, he presented, "Some Pressing Issues in the Deterministic Prediction of Corrosion Damage," and at the Moscow Power Institute (Technical University) he presented, "The Deterministic Prediction of Corrosion Damage — A Revolution in Maintenance Scheduling and Lifetime Assessment."

Renée Marks, alumni director for The Smeal College of Business Administration, was among the presenters for the inaugural Business School Alumni Professionals' Conference at the Indiana University Kelly School of Business in Bloomington. Marks delivered two presentations: "Off-Campus Alumni Events: How to Organize Clubs, Motivate Volunteers, Select And Plan Regional Programs" and "Students, The Future Alumni: How Do We Impact Them, Engage Them And Create The Giving, Connected, Committed Alumni."

Andrew Martin, multicounty farm management agent based in Mifflin County, presented seminars for the Citizens Network for Foreign Affairs, a three-week project in the Republic of Moldova, providing marketing and economic assistance for Moldovan farmers and local banking bodies. While there, he presented the lecture "Agricultural Science from the U.S.A. Experience" at the University of College of Agriculture in Moldova.

Donna Queeney, associate professor of education, received the University Continuing Education Association (UCEA) Research and Scholarship Award at the group's annual conference in Philadelphia. The award recognizes "an individual UCEA member whose long-term commitment to the conduct of exemplary research has made a significant contribution to the literature and professional practice of continuing higher education."

A. Ravi Ravindran, professor and head of industrial and manufacturing engineering, received the Institute of Industrial Engineering's Albert Holzman Distinguished Educator Award. The award, which recognizes outstanding educators, is named for Albert G. Holzman, late chairman of the school of industrial engineering at the University of Pittsburgh, for his contribution to industrial engineering education and program accreditation.

Raymond Regan, professor of civil engineering, **Paul Tkalsky**, associate professor of civil and environmental engineering, and **Robert Voigt**, professor of industrial engineering, received the Best Paper Award from the American Foundrymen's Society Environmental, Health and Safety Division. Their award for the paper "Beneficially Using Foundry Residuals: Case Studies, Experiences and Related Issues" was presented at the 105th Casting Congress held in Dallas.

Five materials faculty were honored at the 2001 American Ceramic Society (ACerS) banquet. **Richard E. Tressler**, materials science and engineering professor and department head, was selected as the Arthur Friedberg Lecturer for his contributions to ceramic engineering. **Robert E. Newnham**, professor emeritus in solid-state science, received the W. David Kingery Award, recognizing his lifelong achievements in multidisciplinary and global contributions to ceramic technology, science, education and art. **L. Eric Croff**, professor emeritus in electrical engineering, became a Distinguished Life Member of ACerS in recognition of his contributions to the ceramics profession. **Thomas R. Shrout**, senior scientist and professor of materials, was elevated to ACerS Fellow for his contributions to the science of ceramics and his service to the society. **Gary L. Messing**, professor and future department head of materials science and engineering, was installed as president-elect of ACerS.



Focus on Research

Explosions create 'superbubbles' in space

By BARBARA KENNEDY
Eberly College of Science

In a galaxy 7 billion light years from Earth, at a time when our sun was just being born, several thousand stars died in massive explosions that blasted giant "superbubbles" into the surrounding clouds of gas and dust.

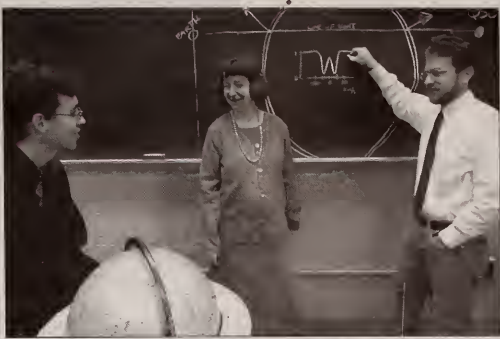
The discovery was presented to the scientific community by undergraduate Nicholas A. Bond in collaboration with astronomers Christopher W. Churchill and Jane C. Charlton and Steven S. Vogt of the University of California at Santa Cruz.

"A superbubble is a huge, roughly spherical region 10,000 trillion miles across, where thousands of exploding stars have literally blown a hole in the gaseous medium between the stars," according to Bond, an astronomy major in his junior year, who said his team's research reveals that as many as six of these superbubbles formed at nearly the same time in the galaxy.

Charlton, associate professor of astronomy and astrophysics, added, "The energy released by the dying stars in those moments that created these gigantic holes is equivalent to the output of 10,000 suns over their entire 10-billion-year lifetimes."

"In a Hubble Space Telescope image we can see the shape and size of the young galaxy from the light of its shining stars; however, we can't actually see the Swiss-cheese structure of these superbubbles because the stars whose explosive deaths created it are no longer lighting it up," said Churchill, a research associate in the Department of Astronomy and Astrophysics. The clue that led to the detection of the invisible holes was the astronomers' discovery of the superbubbles' fingerprints — a unique pattern of "absorption lines" in the spectrum of a quasar whose thin beam of light passes through the galaxy before it reaches Earth.

"We use quasars, which are more luminous than a trillion suns and lie at the outer edges of the universe, as deepspace flash-



Researchers Nick Bond, left, Jane Charlton and Chris Churchill discuss the "superbubble" discovery which is a huge region 10,000 trillion miles across, where thousands of exploding stars have blown a hole in the gaseous medium between the stars.

Photo: Greg Grieco

lights," Churchill explained. The absorption-line pattern in the quasar's spectrum revealed the signature "shadow" of the superbubbles along the narrow channel illuminated through the galaxy by the quasar's light. "The striking pattern from this galaxy is several absorption-line pairs, each having a velocity separation of 70,000 miles per hour, which is a gauge of the speed at which the opposite sides of the superbubbles are flying apart," Churchill said.

"We investigated the alternative possibility that two or three galaxies in a small group were giving rise to the absorption-line pairs, but these scenarios could not satisfactorily explain the observations," explained primary investigator Bond. "Superbubbles are the most plausible mechanism through which such evenly split absorption-line pairs could have been created."

Astronomers use radio waves to directly

observe emissions from superbubbles in our Milky Way galaxy and in nearby galaxies, but this technique is not adequate for detecting superbubbles in very distant galaxies. The team said their discovery with quasar light provides the best evidence yet for the existence of superbubbles in a galaxy so distant from Earth. The quasar's light, which took 7 billion years to reach Earth after it passed through the superbubble regions, provides a snapshot of how the galaxy looked 7 billion years ago, when it was undergoing mass stellar death.

The quasar, named MC 1331+170, is located in the constellation of Coma Berenices, in the northern sky near the star Arcturus in Bootes, as is the galaxy in which the superbubbles were discovered.

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Religious dads spend more time with kids

By PAUL BLAUM
Public Information

Religious fathers, whether married or divorced, are more involved with their children than nonreligious fathers and report higher quality relationships as parents, according to a University study.

"The influence of religiosity on father involvement should not be overstated," said Valerie E. King, assistant professor of sociology, demography and human development and family studies. "Certainly many nonreligious fathers have good relationships with their children, and religion is only one of the many factors that influence father involvement."

"Religious fathers report putting more thought and effort into their relationships with their children, feeling more of an obligation for contact with them and having higher expectations of a continued good relationship with offspring," she said.

The University researcher discovered that religion itself helps fathers be better fathers, not traditional views of marriage and children. Her findings suggest two arguments against automatically equating religious and traditional beliefs about marriage. First, her data reveals that, while religious men place a high priority on marriage and family, they also take the view that husbands should share equally in housework and child raising.

Second, the data shows that mainstream Protestants and Catholics are equally involved with their children as conservative Protestants, supposedly the most vocal proponents of traditional family values. In the case of divorced dads, conservative Protestants are less likely than other Protestants to assist their adult children or grandchildren with help around the house, transportation and child care.

The study's data is from the 1995 National Survey of Mid-life Development in the United States. The sample included 647 married and 163 divorced men.

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Study: Vitamin D may benefit MS victims

A small study conducted by University researchers and Helen Hayes Hospital in New York has shown that a daily dose of vitamin D — 1,000 IU or two and a half times the recommended adult dose — causes blood chemistry changes that indicate positive effects for multiple sclerosis patients.

Margherita Cantorna, assistant professor of nutrition, says the study has not been in progress long enough to observe changes in the clinical symptoms of the disease in the patients who participated. However, blood samples drawn after just six months of vitamin D supplementation, show an increase in transforming growth factor beta-1 (TGF-Beta) which is associated with the remission and suppression of the immune response which produces symptoms in MS

patients. Researchers also found a decrease in interleukin-2 which is associated with the cells that induce MS.

"I think that if you are an MS patient, it would be best to continue to follow your personal physician's advice," Cantorna said. "Since vitamin D can be toxic in high doses, it would not be a good idea to begin taking vitamin D pills available over the counter in large amounts."

The results were detailed at the Experimental Biology 2001 conference in Orlando, Fla. The paper was co-authored by Dr. Felicia Cosman, medical director, Clinical Research Center, S. A. Gordon and J. Cruz, all of Helen Hayes Hospital, and Cantorna. Cantorna's student, Brett Mahon, a doctoral candidate in nutrition, is first author.

Astronomers confirm grad student's research

Astronomers at the Harvard-Smithsonian Center for Astrophysics have published research results that provide confirmation of a common feature among quasars, which are growing, supermassive black holes that gobble up matter at a rate of more than one solar mass each year and produce enormous amounts of energy and light.

The researchers' results, based on observations made with the Chandra X-ray Observatory, confirm results published earlier by a team led by Sarah Gallagher, a graduate student at Penn State.

According to Gallagher's research, "shrouded" quasars, those that are seen through material blowing off the accretion disk in an energetic wind, do produce important X-ray emissions. Her research showed definitively for the first time that

there was absorption of X-rays by material along the line of sight and the researchers from the Harvard-Smithsonian Center for Astrophysics have confirmed this result with a larger sample.

She made her initial findings in 1999 and 2000 with the Advanced Satellite for Cosmology and Astrophysics (ASCA), a joint project between NASA and Japan that has since fallen back to Earth, and has been working on extending those results using Chandra.

"You can think of the quasar as being sort of a messy eater," Gallagher said. "It does not eat everything that comes close to the black hole and maybe it spits out as much as it eats as a wind coming off the accretion disk. If you look through the wind, then you see a 'shrouded' quasar."



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Ice cream social

University students enrolled in a psychology practicum lead students from Mount Nittany Middle School, State College, through a team-building activity using an ice cream social. The social was part of an all-day workshop on building friendships, dealing with conflict and handling peer pressure. Coordinated by Jeffrey Parker, associate professor of psychology, the workshop was part of a practicum, where University students combined learning and community service. **At right:** Rachel Biblow hands out labels with items to make a sundae. **Bottom photo,** students sort themselves into teams, and **below,** is the finished product.

Photos: Greg Grieco





Intercom

INFORMING THE PENN STATE COMMUNITY

JUNE 21, 2001

Global research and graduate school partnership launched

Eleven research institutions of international standing have come together to create a worldwide research and graduate education partnership, to be known as the Worldwide University Network (WUN). Unlike other international partnerships whose focus is on undergraduate education and distance learning, the WUN is based primarily on collaboration in research and graduate education. Cooperating institutions also will develop online distributed learning programs to facilitate the delivery of graduate and continuing educational programs.

The founding members in the United States are The Pennsylvania State University, University of California-San Diego,

"Research collaboration between faculty and graduate students in these areas and in areas that will be launched in the future will create significant intellectual and educational synergy, opportunities to share expertise and increased access to the partners' facilities."

*President Graham B. Spanier
vice chair of the WUN*

University of Illinois, University of Wisconsin-Madison and University of Washington. The members from the United Kingdom are the universities of Bristol, Leeds, Man-

chester, Sheffield, Southampton and York. Universities in other countries will be added as the partnership evolves.

The agreement to work together was

reached in Washington, D.C., in April following several months of planning. A number of pilot initiatives already are under development. The initial cooperative graduate programs will focus on rapidly developing, interdisciplinary areas of global significance.

"The partnership's first programs will be in the areas of bio-informatics, geography of the new economy, public policy and management, smart materials and nanotechnology," according to Alan Wilson, vice chancellor of the University of Leeds and Chairman of the WUN.

Partnership, page 2

FOSTERING DIVERSITY

Commission for Women's chair will be facilitator

BY JULIE A. BRINK
Public Information

The University's Commission for Women has made great strides during its first 20 years, but plenty of work remains to be done, according to the commission's incoming chair.

Janine Andrews, assistant manager of employee relations in the Office of Human Resources, begins her one-year term on July 1 working for a commission that began in 1981 with 18 women who had a mandate from then-University President John W. Oswald to serve as both forum and advocate for women's issues and concerns. Today the commission membership is 88 people. Of these, 43 are appointed by President Graham B. Spanier and 45 are affiliate members.

"We have unfinished business as it relates to making Penn State an institution that provides women an opportunity to become fully involved and meet all of their goals," according to Terrell Jones, vice provost for educational equality. "We need to develop voices for inclusiveness, understanding that gender has made a difference in life's opportunities."

Andrews has been involved with the commission since 1987, starting as an affiliate member working on the technical services workshop, then chairing that committee in 1999. She also is involved



Janine Andrews is the incoming chair of the Commission for Women, the oldest of the three commissions in the Office of the Vice Provost for Educational Equity.

Photo: Julie A. Brink

Penn State ranked No. 1 in state for degrees awarded to Hispanic students

Penn State's University Park campus is ranked No. 1 in Pennsylvania for bachelor's and doctoral degrees awarded to Hispanic students, according to reports published recently in *The Hispanic Outlook in Higher Education*.

Hispanic Outlook's top 100 lists are based on 1998-99 graduation data submitted by four-year colleges and universities to the U.S. Department of Education.

Penn State is ranked 23rd nationally — No. 1 in Pennsylvania — for doctoral degrees awarded to Hispanics, conferring 13 doctorates to Hispanic students.

Penn State is the only Pennsylvania institution listed in the top 100 for bachelor's degrees awarded to Hispanics. In 1998-99, the University conferred 194 bachelor's degrees to Hispanic students.

Penn State has seen a steady increase in Hispanic enrollment over the past decade. Enrollment systemwide has increased more than 50 percent to 1,845, or 23 percent of the student population.

of
PENN STATE
UNIVERSITY ARCHIVES

Partnership

Continued from page 1

The network's teams of experts will have the collective expertise to tackle major global challenges on behalf of corporations, governments, the United Nations and other global agencies in ways that are not feasible by individual institutions.

"Research collaboration between faculty and graduate students in these areas and in areas that will be launched in the future will create significant intellectual and educational synergy, opportunities to share expertise and increased access to the partners' facilities," according to President Graham B. Spanier, vice chair of the WUN.

The partners are launching an international graduate exchange program in order to enhance research and educational experiences for graduate students. Travel awards and stipends for fellowships and assistantships will support graduate students who wish to undertake a period of research and study at another of the partner institutions.

Faculty from WUN member institutions already have participated in a series of colloquia to support the development of research and course proposals of a scope that could not easily be delivered by institutions alone.

"Some of the universities in the partnership are among the leaders in distance and online education," said Spanier.

"The universities are committed to collaboration in the development of coursework, pooling expertise in the development and operation of delivery platforms and emphasizing quality assurance," added Wilson.

The alliance hopes to increase student choice, enhance pedagogical effectiveness and provide better learning outcomes. The UK partners currently are bidding for funding being made available by the Higher Education Funding Council for England, which is providing approximately \$100 million over the next three years to establish a global platform for the delivery of online distributed learning and the commission of eLearning programs.

Leaving for the Summer?

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and click on the link under "Announcements" to sign up for your **FREE Employee Newswire**, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.

Commission

Continued from page 1

with the Take Our Daughters to Work Day activities and the mentoring program. Sandy Harpster, assistant director of Housing and the commission's chair-elect, is looking forward to working with Andrews.

"I've known Jeanie for several years," Harpster said. "She has a wonderful sense of humor. She's a very caring person and she's going to bring a lot of energy to the position. I know Jeanie will work hard to represent all constituencies."

"The way I see the leadership of the commission taking place is that Jeanie is going to really move staff issues ahead," said Vasundara Varadan, professor of engineering and outgoing chair. "The last two chairs have been faculty and there's always been a tendency with commission chairs that they represent their constituency, whatever that is. I really see Janine and Sandy pushing some staff issues forward, which haven't received the limelight."

Andrews sees her role as chairwoman as a facilitator, to make sure that everyone is working toward the same goals.

"As I see it," she said, "the bulk of work is done by the committees."

The new chair sees plenty of work ahead for the commission and room for improvement. "While we have broken down barriers, we need to keep doing that, to make it an ongoing thing," she said.

One of the areas the commission will need to focus on in the upcoming year is student issues and development.

"We're so focused on the employees that we forget about the students," Andrews said. Students are members of the commission.

The new chair also sees opportunities for continued development of relationships with the two other commissions — the Commission on Lesbian, Gay, Bisexual and Transgender Equity and the Commission on Racial/Ethnic Diversity, which have acted separately in the past.

"The commission has actually made great strides in starting to break down the barriers between different classifications of employees."

Janine Andrews



"There's clearly a lot of overlap," she said, adding that her goal is for the commissions to work collaboratively with joint events and to avoid duplication of effort. "We started to do this but we need to continue and strengthen efforts."

Andrews lauded the commission for the work that it has accomplished in the past 20 years, pointing to the mentor/protege program as an example of its success. The mentor helps the protegee, offers professional development advice, helps the individual build a circle of professional contacts and provides insights about the University community. Since its inception in 1999, the program has guided 70 people in the development of mentor-protege relationships. During the upcoming year, the commission anticipates having more than 20 pairs matched in the program.

"The commission actually has made great strides in starting to break down the barriers between different classifications of employees," she said. "Last year for the first time we had a technical service employee on the executive committee. We are doing things that are attracting technical service. Each constituency has these same kind of stories."

"We've been able to take a huge group of people from different backgrounds and bring them together to work toward some common goals," she continued. "I, myself, have learned a lot more about how everyone at the University works together."

Andrews said the commission has plenty to look forward to in creating an envi-

ronment where it can provide supportive avenues for women, help them develop their careers, to network with like-minded women, to provide enriching opportunities for women and to celebrate what they've accomplished.

"We have really made great strides with regard to accessibility" in terms of the technical services workshop for women, the mentor program and forums and programs for faculty and staff, Andrews said, adding that the commission will continue to work to improve representation of women in the higher levels of the University as well.

"We have great support from people like (Assistant Vice President for Human Resources) Billie Willis, (Vice President and Provost) Rod Erickson, (Vice Provost for Educational Equality) Terrell Jones and President Spanier, who are cognizant of making sure search committees take into account that we have diverse pool of candidates" she said.

She said the issues women face at the University are not different from those women face in general — balancing work and family, finding and keeping a perspective — and she's optimistic about what working women have in store for them in the 21st century. "I think it's a very bright future," she said.

Julie A. Brink can be reached at jab81@psu.edu.

PRIVATE GIVING

Gift will support Jewish Studies program

Paul and Joanne Tanker of Philadelphia have given \$250,000 to the University's Jewish Studies program to encourage curricular innovations and various forms of student involvement.

The Joanne G. and Paul A. Tanker Program Support Fund in Jewish Studies in the College of the Liberal Arts will enrich the Jewish Studies program by providing funds to support opportunities and resources that will promote and cultivate knowledge and learning in the area of interfaith relations.

Paul Tanker came to Penn State in 1943, but World War II interrupted his education. After two and one-half years, he returned to campus on the GI bill and worked in a fraternity house as a dishwasher in return for three meals a day. He graduated in commerce and finance in June 1948.

He is the retired president of Tanker and

Twelve students in the class traveled to Curacao where they participated in a series of lectures and tours, including the Jewish cemetery and museum and attended services at Synagogue Mikve Israel, the oldest synagogue in the Western Hemisphere.

Associates in Philadelphia, a firm he established in 1960 to provide comprehensive employee benefit plans to corporations and private institutions.

Joanne Tanker is an art historian and a pastel artist. She is a graduate of Moore College of

Art in Philadelphia and has a master's degree in art history from the University of Pennsylvania.

According to Alan Block, director of the Jewish Studies program, the endowment has already made a significant impact on the Penn State students who took a new course in "Jewish Communities" during the spring semester. The course concentrated on the history of the Dutch island of Curacao in the Caribbean, a community in which Christians and Jews have lived and worked together since the second half of the 1600s. Twelve students in the class traveled to Curacao where they participated in a series of lectures and tours, including the Jewish cemetery and museum, and attended services at Synagogue Mikve Israel, the oldest synagogue in the Western Hemisphere.

\$1 million grant supports study of astrostatistics

A three-year, \$1 million grant from the National Science Foundation (NSF) has provided funding for researchers at Penn State and collaborators at two other universities to further study the emerging, interdisciplinary field of astrostatistics.

"As the nature of observational astronomy has changed, going from single astronomers watching a handful of objects to teams of astronomers locating millions of objects as part of large digital sky surveys at a variety of wavelengths, the necessity for statistical analysis has increased," said Jogesh Babu, professor of statistics and principal investigator for the NSF grant. "An enormous amount of data exists — so much that even basic statistical measures such as the median and quartiles of a set of data can be difficult to determine."

Research under the grant has been motivated by a recent National Virtual Observatory initiative to link archival datasets and catalogues from many existing astronomical surveys. The effective use of such integrated massive datasets involves more than just access to and extraction of information. Scientific understanding requires sophisticated statistical modeling of the selected data.

Despite the challenges, Babu and his collaborators believe the pairing of astronomy and statistics provides a logical extension for both fields of study. Those collaborators include: Eric Feigelson, professor of astronomy and astrophysics, and colleagues at California Institute of Technology, home of the virtual observatory, and Carnegie Mellon University, with collaborators in its departments of astronomy, computer science and statistics.

During the past 14 years, Babu and Feigelson have led the effort to develop advanced statistical methods to serve the research needs of observational astronomers. They co-authored a book titled *Astrostatistics* in 1996 and created and maintain a Web site that provides links to statistical codes and services on the Web. They also have played host to two international conferences at Penn State with a third, titled "Statistical Challenges in Modern Astronomy III," scheduled at the University Park campus this summer. Approximately 120 scientists, some astronomers and some statisticians, are expected to visit campus in late July. The conferences are designed to facilitate a dialogue between astronomers and statisticians regarding important research issues.

OBITUARIES

Gabriel M. Escobar, associate professor of anthropology in College of the Liberal Arts, from Jan. 1, 1966, until his retirement Sept. 1, 1987; died March 17, at the age of 80.

William F. Lewis, associate professor of social science and political science at Penn State Harrisburg, from Sept. 1, 1968, until his retirement June 30, 1982; died May 6. He was 81.

Joseph A. McCurdy, professor emeritus of agricultural engineering extension in College of Agricultural Sciences, from April 16, 1950, until his retirement Jan. 1, 1984; died May 19, at the age of 77.

Grace K. Wheeland, senior clerk in the College of Health and Human Development, from Nov. 20, 1946, until her retirement Oct. 1, 1978; died May 4, at the age of 84.

Routine maintenance



Lynn Bigelow from the Office of Physical Plant on the University Park campus patches some joints with caulking compound to help Old Main's front porch repel water and make the surface last longer.

Photo: Greg Grieco

Executive Programs ranked among world's best

Penn State Executive Programs at The Smeal College of Business were ranked 22nd overall in the third annual *Financial Times* rankings of international non-degree executive education programs.

The rankings were released June 4 and are compiled from the responses of executive education course participants, corporate purchasers and a survey of business schools.

Penn State was ranked fifth overall among public universities and third overall in the Big Ten. Columbia Business School, the Wharton School of Business at the University of Pennsylvania, and Duke University rounded out the top three in the overall ranking. Penn State was ranked 12th over-

all among executive education providers in the United States.

Penn State also appeared 28th in the international ranking of custom programs and 23rd in the open enrollment ranking. In addition, Executive Programs was ranked fourth in the world for follow-up after the program and fifth in the world for program design.

Executive Programs at Penn State annually draw representation from more than 40 countries. Penn State Executive Programs in Smeal College is currently accepting reservations for all 2001 sessions. For more information about open enrollment or custom program solutions, call (800) 311-6364 or check the Web at <http://www.smeal.psu.edu/pspe/>.

\$300,000 grant aids research on environmental disputes

Barbara Gray, professor of organizational behavior and director of the Center for Research in Conflict and Negotiation in The Smeal College of Business Administration, and researchers from six other universities have received a \$300,000 grant to continue research on environmental disputes from the California-based William and Flora Hewlett Foundation.

The Inter-University Consortium on the Framing of Intractable Environmental Disputes includes researchers from The Ohio State University, Georgia Institute of Technology, the University of Colorado, Texas A&M University, Cleveland State University and the University of Michigan.

Gray also coordinates the Environmental Consortium, which was formed in 1998 to study the dynamics that render some environmental conflicts intractable. The consortium also received a \$300,000 grant from the Hewlett Foundation in 1998.

"During the past three years we have built a body of knowledge about the framing of environmental disputes. Framing refers to the way in which participants in a dispute interpret its meaning and scope," explains

Gray. "Research on environmental disputes has shown that parties develop considerably different frames about what the dispute is about and what should be done about it and by whom."

Over the last two years consortium members have conducted extensive analysis of qualitative data on eight intractable environmental conflicts and have prepared a case study for each conflict. The case studies form the core of a book under development. The consortium envisions the next steps of its work to be focused on translations and dissemination of the research findings to environmental professionals, agency officials and other disputants, as well as the development of training programs and materials for these same groups.

The Hewlett Foundation was established in 1966 by the Palo Alto industrialist William R. Hewlett, his late wife, Flora Lamson Hewlett, and their eldest son, Walter B. Hewlett. The foundation concentrates its resources on activities in education, performing arts, population, environment, conflict resolution, family and community development, and U.S.-Latin American relations.

Appointments

Development director named for Outreach, Cooperative Extension

Sophie W. Penney, director of corporate and foundation relations at Bucknell University, has been appointed director of development for Penn State Outreach and Cooperative Extension.

Penney will provide leadership for developing and directing fund-raising activities in support of Outreach and Cooperative Extension programs. The unit is composed of Cooperative Extension, Continuing Education, Distance Education/World Campus and Public Broadcasting, which includes the University's public television and radio stations. She also will be instrumental in providing leadership for Penn State Public Broadcasting's campaign to support conversion from analog to digital television.

Since August 1999, she has served as director of corporate and foundation relations at Bucknell University. From 1997 to 1999, she was regional manager of major gifts at Bucknell. She also has held positions as director of major gifts at Shippensburg University Foundation and director of corporate and foundation relations at Hanover College.

Previously, Penney had a 13-year career in student affairs, including service as



Sophie W. Penney

coordinator of campus residential life at Penn State Beaver. Before entering the higher education doctoral degree program at Bowling Green State University, she was associate dean of students at the College of Wooster.

She has made numerous presentations at regional and national conferences and has served as a consultant to several institutions. She also co-authored the book *Dollars for Dreams: Student Affairs Staff at Fundraisers*, released by the National Association of Student Personnel Administrators in April.

Penney is a member of the Council for Advancement and Support of Education and helped plan the Foundation Track for the council's recent Corporate and Foundation Relations Conference. She also is a member of the Association of Fundraising Professionals and has served on several community organizations.

She earned a bachelor of science degree in music education in 1979 and a master of arts in student personnel services in 1980 from Indiana University of Pennsylvania and a doctoral degree in higher education administration in 1998 from Bowling Green State University.

Librarian named to endowed position in literature, humanities

William Brockman has been appointed to the endowed position of Paterno Family Librarian in the Literature, Arts and Humanities Library on the University Park campus.

A tenured librarian, Brockman was the coordinator of the Arts and Humanities Division at the University of Illinois at Urbana-Champaign, where he held the title

of English librarian. He is a bibliographer and James Joyce scholar.

Brockman earned a bachelor of arts in English literature from Earlham College, a master of arts in English literature from Drew University and a master of library science degree from Rutgers Graduate School of Library Service.

School of Nursing awards first doctoral degree

May 13th was a very important day for Janice Penrod. After years of perseverance and hard work, she received her doctoral degree in nursing from Penn State.

It was an important day for the School of Nursing as well. Penrod became the first person to graduate with a doctoral degree in nursing from the school.

The School of Nursing implemented the doctoral degree program in the fall of 1999 to develop clinical scholars, faculty and researchers who can teach and provide leadership through scientific inquiry and innovative practice. Along with completing core requirements in nursing science, nursing and health research, and research methodology and statistics, students create individualized study plans that enable them to develop expertise and research capabilities within a specialized area.

Penrod joined the School of Nursing as a research assistant in 1995 and became an assistant professor of nursing in the school

last fall. She has published 15 articles in refereed professional journals as well as three book chapters.

Penrod specialized in and earned a minor in gerontology while completing her doctoral degree. Her research, which was supported by a fellowship from the National Institute of Aging, explores the role that abstract concepts such as uncertainty, trust and hope play in helping patients cope with a serious injury or illness, and how nursing as a science interprets those concepts when caring for patients.

Penrod plans to expand her research to explore how health-care providers can help people suffering from chronic illnesses cope more effectively with those afflictions in everyday life. "I don't think we can eliminate uncertainty from people's lives, but we can help them manage their uncertainty so it doesn't get out of control," she said. She also hopes to conduct research on how to minimize the disabling effects of osteoporosis in women.

John Powell, Jeff Nelson to assume new duties for athletics

John Powell and Jeff Nelson will assume additional responsibilities within the athletic administration.

The University's director of athletic development since April 1999, Powell has been named associate athletic director for marketing and development. Nelson, the Nittany Lion's sports information director since October 1993, has been named assistant athletic director for communications. Both appointments are effective Aug. 1.

In addition to their current duties, Powell and Nelson will assume the responsibilities of Budd Thalman, associate athletic director for communications, who is retiring July 31 after 15 years with the University. (See story on page 4 of the June 7 Intercom.)

Powell's new responsibilities will include oversight and working with the marketing and promotions staff on department initiatives. He also will serve as a department liaison with Nike and on the University's licensing committee. His current duties include planning, supervising and implementing the fund-raising program for the athletic department, including major gift solicitation, corporate giving and annual giving programs. He also supervises the athletic component of the University's Grand Destiny campaign and is responsible for the marketing and operations of the Beaver Stadium suites and club seats.

A 1965 graduate of Penn State with a bachelor's degree in communications, Powell earned his MBA from the University of Pennsylvania's Wharton School. He began his business career with AT&T in 1967 as a customer service representative. In 1984, he was promoted to consumer marketing director and two years later became director of consumer services and telemarketing.

Powell was appointed sales vice president for public markets in 1987, serving in that capacity until 1990 when he became vice president for local marketing, directing AT&T's marketing and sales programs and



John Powell



Jeff Nelson

activities at local fairs, festivals, shows, events and exhibits.

Before returning to his alma mater, Powell had been sales vice president for AT&T's Consumer Services unit. In that role, he became a key player in the development of a corporate relationship between AT&T and Penn State.

Powell has been an active alumnus of Penn State, serving on the Board of Visitors of The Smeal College of Business Administration and on the executive board of the Penn State Alumni Council. He also was a board member and Signature Club designee of the United Way.

Nelson's new responsibilities will include supervision of the Nittany Lion's sports information and publications operations and the Athletics Web site, <http://www.GoPSUsports.com/>.

His current responsibilities include oversight of the sports information/media relations operation for the University's 29 varsity sports and serving as the primary media contact for the Nittany Lion football team.

A 1983 graduate of Indiana University with a bachelor's degree in journalism, Nelson joined the University after six years as the sports information director at the College of the Holy Cross. He previously served as the assistant sports information director at Holy Cross from 1985-87 and was a sports-writer at the Kokomo (Ind.) *Tribune* for one year.

At Holy Cross, his 1991 football game programs were honored as "Best in the Nation" by the College Sports Information Directors of America, while the Crusaders' football media guide annually placed among the nation's five-best.

Nelson has been a national coordinator with the Verizon Academic All-America program since 1986, ranking second on the 80-person committee in longevity. He also has served as a member of the NCAA Final Four Media Coordination Committee since 1995.

Undergrads join in summer research program

This summer, 40 undergraduate students are visiting the University Park campus to take part in the Committee on Institutional Cooperation's (CIC) Summer Research Opportunities Program at Penn State.

The program was initiated in 1986 by the CIC graduate schools deans to encourage talented, underrepresented students to pursue graduate study and subsequently academic careers. Through the program, students have the opportunity to explore topics of interest and work on research projects at one of 15 host universities. The Graduate School's Office of Graduate Educational Equity is the students' host at University Park.

The primary component of the program is designed to immerse sophomores and juniors in intensive, in-depth research experiences where they work one-on-one with faculty mentors. Enrichment activities also are offered to broaden students' views of graduate education and research, to

strengthen their technical skills so that they will be better prepared for graduate study and to create esprit de corps.

At the end of July, participants from all the CIC universities attend the annual Summer Research Opportunities Program Conference, where they have the opportunity to discuss their projects with one another, to hear talks given by former participants, and to learn about graduate admission procedures and financial aid. At the end of the program, students are required to write a paper and an abstract describing their research projects and to present the results of their work at a campus symposium.

The symposium at Penn State will be from 9 a.m. to 5 p.m. Thursday, Aug. 2, at The Nittany Lion Inn on the University Park campus.

For information about the program and the symposium, call the Graduate School's Office of Graduate Educational Equity at (814) 863-1663.

PROMOTIONS

Technical Service

David L. Ford, snack bar worker A at Penn State Berks-Lehigh Valley
Tony R. Gonzalez, groundskeeper landscape A at Penn State Erie
Joseph T. Hallahan, maintenance worker, plumbing and piping in Office of Physical Plant
Patrick L. Kochan, building maintenance worker in Student Affairs
David G. O'Neill, mechanic, experimental and maintenance in Eberly College of Science
Norma P. Sletson, refreshment break services assistant at Penn State Conference Center Hotel
Timothy L. Wian, addressing equipment officer in Business Services

Staff

Laura B. Appleyard, supervisor stores support in Office of Physical Plant
Sherrie L. Barnes, data manager in College of Medicine, The Hershey Medical Center
Tina L. Basalla, staff assistant VI in Office of Enrollment, Management and Administration
Carol L. Brooks, customer service representative in Business Services
Cindy L. Byers, coordinator auxiliary/business information systems in Business Services
Sharon L. Daugherty, technical/administrative specialist in Computer and Information Systems — Telecommunications
Erin M. Edwards, technician-research in College of Medicine, The Hershey Medical Center
Judith A. Fenush, staff assistant VII in Intercollegiate Athletics
Shannon L. Fitzgerald, staff assistant VII in College of the Liberal Arts
Donna M. Harkless, proposal and grant assistant in Eberly College of Science
Judith L. King, administrative assistant II in College of Engineering
Regina H. Knepp, help desk coordinator in Applied Research Lab
Ashoo Kumar, library supervisor IV in University Libraries
Chrissy L. Laird, staff assistant IV in Division of Outreach and Cooperative Extension

Joanna E. Lott, writer/editor and alumni coordinator in College of Earth and Mineral Sciences
Deborah D. Miller, staff assistant VI in College of Health and Human Development
Cynthia C. Mitchell, research programmer analyst in Office of the Vice President for Research
Kathy A. Moir, staff assistant VII in Office of the Vice President for Research
Linda K. Nihart, administrative assistant I in College of the Liberal Arts
Curtis B. Price, advising program coordinator in Office of the Vice Provost and Dean for Undergraduate Education
Patricia J. Rhee, marketing information coordinator in Division of Outreach and Cooperative Extension
William Selleck, senior research technologist in Eberly College of Science
Jane L. Shuey, administrative assistant II in College of Medicine, The Hershey Medical Center
William S. Smiles, manager-agricultural research farms in College of Agricultural Sciences
Russell A. Souhak, library supervisor IV in University Libraries
Do Young Sunho, graphic designer in College of Medicine, The Hershey Medical Center
Ann L. Thompson, library supervisor IV in University Libraries
Deborah K. Tomazin, graphic designer in College of Medicine, The Hershey Medical Center
Nancy A. Volciak, staff assistant VII in Housing and Food Services
Kimberly D. Wagner, information technician consultant in Applied Research Lab
Lois J. Warefield, library supervisor IV in University Libraries
Bernadette M. Worman, graphic designer in College of Medicine, The Hershey Medical Center
Jane Zintak, director of development I in Division of Development and Alumni Relations

Learning the financial ropes



Randall Woolridge, director of the Smeal College Trading Room at University Park, explains how to use the financial trading stations, which are equipped as a trading desk would be in a Wall Street firm. The Trading Room functions as a classroom as well as a research facility, and gives students access to the standard Wall Street data. Only a handful of other business colleges around the country including Wake Forest, Carnegie Mellon, MIT and Cornell, have trading rooms. The University Park facility officially opened April 20.

Photo: Greg Gileco

Student projects assist nonprofit agencies

A course project in the School of Business Administration at Penn State Harrisburg has provided two initiatives for an agency serving disabled people.

Each semester, as part of his Entrepreneurship and Small Business Management class, Robert Russell, assistant professor of management, has student teams develop business plans for community organizations.

The students complete the business plan which includes data analyses of resources available for the organization, demographics of the target area and market potential. The students then compile their research results into a business plan. In the past year, two of Russell's classes have tackled projects for the Arc of Dauphin County, a nonprofit agency serving persons with disabilities.

The first challenge for the students was to develop a "greenhouse project" to create employment and learning opportunities for Arc. When completed, the business plan was presented to the board of directors. Linda Drummond, Arc executive director, reported some of the plan's components have been implemented. Area schools' special education classes will use a greenhouse as a learning lab and Arc is planning to enter into a contract with an area nursery to grow strawberries.

Arc found the experience of working with Russell's students so successful that it challenged the next semester's class to come up with a business plan for the agency's Camp Sertoma, a summer recreational day camp for residents of the area who are disabled and developmentally challenged.

BOOKSHELF

Ernest R. Weidhaas, professor emeritus of engineering graphics.

Reading Architectural Plans for Residential and Commercial Construction, fifth edition, Prentice Hall Publishers, Columbus, Ohio

The text includes hand-drawn and computer-generated plans and photographs of both office and residential homes. A comprehensive student workbook and an instructor's handbook, were published concurrently.

Stephen J. Cimbala, professor of political science.

Deterrence and Nuclear Proliferation in the Twenty-First Century, Praeger Publishers, 2001.

Cimbala was editor for the book, which brings together a number of academic and other experts in the field of nuclear arms and proliferation to discuss contemporary and future problems for the U.S. strategy and policy. The authors contend that the end of the Cold War may make the problem of containing the spread of nuclear and other weapons of mass destruction harder, not easier, to manage.



Arts & Entertainment

Summer art classes

Registration is under way for adult non-credit art classes beginning the week of June 25 at the Center for Arts and Crafts on the University Park campus.

The classes include wheel-thrown pottery, stained glass, drawing, cartooning, portrait photography, yoga and more.

Brochures are available at the HUB-Robeson Center information desk, 207 HUB-Robeson. For class information, call (814) 863-0611. To register, call (814) 863-0685.

Fine arts exhibited

"The Celebration of Visual Traditions: New Millennium The Pennsylvania Council on the Arts," is on exhibit June 26 to July 26 in the HUB Gallery of the HUB-Robeson Center on the University Park campus.

A presentation will be made by curator June Kelly at 5:30 p.m. July 13 in the HUB auditorium.

The juried fine arts exhibit features two-dimensional artwork and small sculpture reflecting visual traditions of the multicultural communities of Pennsylvania.

The HUB Gallery and Robeson Gallery hours are 10 a.m. to 3 p.m. Tuesday through Saturday. Special hours during the Central Pennsylvania Festival of the Arts, July 11-15, will be 10 a.m. to 6 p.m. Tuesday through Saturday and noon to 5 p.m. Sunday.

Crafts National opens

Crafts National, the annual fine crafts exhibition co-sponsored by the Central Pennsylvania Festival of the Arts and the School of Visual Arts, runs through Friday, July 20, at the Zoller Gallery in the Visual Arts Building on the University Park campus.

The exhibition is free to the public.

Hours are 9 a.m. to 5 p.m. Monday through Friday, 11 a.m. to 5 p.m. Saturday and 11:30 a.m. to 4 p.m. Sunday. Hours will be extended July 11 to 15.

An opening reception will be held at 5:30 p.m. Friday, June 22, at the gallery. The reception is free to the public.

For information, contact Rick Bryant at (814) 237-3682.

Summer 2001 exhibitions

Three exhibits featuring prints, lithographs and ancient pottery will be displayed throughout the summer at the Palmer Museum of Art on the University Park campus.

- "From Main Street to Moscow by Way of Rails and Sails: History of Transportation in Pennsylvania Prints from the Permanent Collection Palmer Museum of Art" continues through Sept. 2. It presents a selection of prints that record the growth and development of highways, byways and railways in Pennsylvania. The selection is from the more than 300 Pennsylvania prints acquired in 1986 from John O'Connor and Ralph Yeager, the former owners of the Tavern Restaurant in State College, where the prints were originally displayed.

- "Impressionism in Print: Etchings and



"BEEHIVE," the '60s musical sensation, is coming to The Playhouse on the University Park campus. This high-energy musical revue, featuring, from left Carla Hargrove, Carly Hughes and Crystal Walker, runs from June 22-30 and features 37 popular hits of the girl groups and solo singers of the era. For tickets, call (814) 863-0255.

Photo: Julie A. Brink

Boy band O-Town shimmies into town

O-Town, with special guests Amanda and Wild Orchid, will perform at 7:30 p.m. Friday, July 27, at The Bryce Jordan Center on the University Park campus.

Tickets are \$29.50 for reserved, theatre-style seating.

The formation of the boy band O-Town has been chronicled in the ABC reality series "Making the Band." The show created fans for O-Town before the boys even released their first album, "Liquid Dreams."

Joining O-Town will be French-born pop singer Amanda who made her professional debut with "You Don't Stand a Chance."

and Lithographs by Childe Hassam" continues through Sept. 11.

In 1915, at the age of 56, the prominent American Impressionist painter Childe Hassam (1859-1935) decided to explore the art of etching. An interest in lithography soon followed. This exhibition features 20 of the artist's prints ranging in date from the mid-twenties through almost the end of his life.

- "Wit and Wine: A New Look at Ancient Iranian Ceramics from the Arthur M. Sackler Foundation" continues through Aug. 12. The exhibition presents 45 pieces that illustrate the 5,000-year ceramic tradition that flourished in ancient Iran until 100 BCE.

The museum is free to the public. Hours are from 10 a.m. to 4:30 p.m. Tuesday through Saturday and noon to 4 p.m. Sunday. For information, call (814) 863-7672 or go to <http://www.psu.edu/dept/palmermuseum/>.

BRYCE JORDAN CENTER

from the "Rugrats in Paris" movie soundtrack. Last year, she recorded her debut album, called "Everybody Doesn't."

Also opening for O-Town is Wild Orchid, a teen-oriented dance-pop group.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555 or online at <http://www.bjc.psu.edu/>

Fayette exhibit

The "Charles H. Wall Panama/Latin America Collection" is now on display at the Penn State Fayette Library. The collection contains more than 300 research materials, many in Spanish, including books, videos, CDs and handmade artifacts pertaining to Panama and Latin America.

The collection was purchased with money donated by the late Charles H. Wall, professor of English at Penn State Fayette from 1985 until his death in 1996. Wall's love of Panama, where he worked before joining Penn State, led to his gift to the library. The collection has been created under the guidance of John Riddle, head of the Fayette Library, and Jerry Hoeg, associate professor of Spanish, Penn State Fayette.

The collection can be viewed at the Penn State Fayette Library during regular operating hours. For more information, call John Riddle at (724) 430-4156 or e-mail jrlr13@psuillias.psu.edu.

UNIVERSITY PARK CALENDAR

June 22 - July 12

SPECIAL EVENTS

Friday, June 22

"Beehive," Pennsylvania Centre Stage, The Playhouse, through June 30. For tickets, call (814) 863-0255.

Saturday, June 23

"Drop-In," gallery talk, 2 p.m. June 23 and 30; July 7, 14, 21 and 28; and Aug. 4, 11, 18 and 25; Palmer Museum.

Friday, July 6

"From Main Street to Moscow: Pennsylvania Prints," gallery talk by Jennifer Noonan, 1 p.m., Palmer Museum.

Thursday, July 12

"Wit and Wine," gallery talk by Trudy S. Kawami, 3 p.m. July 12, noon July 13, 10 a.m. July 14, Palmer Museum.

MUSIC

Thursday, July 5

"The Challenge of Colors," The Music at Penn's Woods Festival Orchestra, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Saturday, July 7

"Let's Tango!" The Music at Penn's Woods Festival Orchestra, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, July 13

Trudy S. Kawami on "Ancient Iranian Ceramics as Art," 4 p.m., Palmer Museum.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Sightseeing: A Space Panorama," photographs from NASA space missions, through Aug. 21.

"Three Award-Winning Medalists" by Jeanne Stevens-Soliman, Leonarda Fink and Karen Worth, through Sept. 16.

"Anodyne," prints by Stephen E. Nelson, through Sept. 24.

Kern exhibit area

"Blind Spots," photography by Denton W. Smith Jr., through Aug. 12.

North Halls exhibit area

Photographs by Jake Waldman, through Sept. 16.

Palmer Museum of Art

"From Main Street to Moscow by Way of Rails and Sails: History of Transportation in Pennsylvania Prints from the Permanent Collection," through Sept. 2.

"Impressionism in Print: Etchings and Lithographs by Childe Hassam," through Sept. 9.

"Pattee and Paterno Library exhibit areas 19th-century American tinypes, through Aug. 15.

"Pennsylvania Amusement Parks: The Charles and Betty Jacques Amusement Park Collection," through Aug. 15.

"Sightseeing: A Space Panorama," through Aug. 20.

Ritterman Center

"Secret Strengths," photos by Rebecca Porter, through Sept. 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Alumni license plates

The new Penn State Alumni Association license plates featuring the Nittany Lion and the words "Penn State Alumni Association" are now being distributed by PennDOT.

Alumni who have kept their vehicle registrations current will automatically receive new plates, free of charge, with the same numbers as their old plates. Pennsylvania residents interested in getting an Alumni Association plate for the first time can call the association at (800) 548-5466, option 2, or visit the Web site at <http://www.alumni.psu.edu/membership/benefits/plates.htm>.

Video bridge services expanded

The Office of Telecommunications has announced newly expanded conference mode options available on the video bridge.

Video bridges are required to enable three or more sites to participate in a videoconference. In addition to the standard "voice activated" conference mode option, the new "continuous presence" conference mode options (side-by-side, four cells, nine cells and lecture mode) allow for the simultaneous display of multiple participants during a video bridge conference. The new options are available at no charge to all users and must be selected when the conference is scheduled.

Effective July 1, rates for use of the video bridge will increase to \$24 per hour per end point. In addition, there is a \$6 charge to establish and disconnect the service.

Also effective July 1, videoconference rooms connecting to the video bridge will be required to operate at a transmission speed of 384Kbps at 30 frames per second. University videoconference systems running at speeds other than 384 Kbps/30 fps, must use external vendors to support their bridging requirements.

For information, go to <http://www.ots.psu.edu/services/staff/videoconf/videoBridge.html>.

Lobbying disclosure

As you may be aware, the Pennsylvania Commonwealth Court has held that the Pennsylvania Lobbying Disclosure Act (PLDA) is unconstitutional. However, the commonwealth has appealed the court's decision, and the PLDA remains in effect during this appeal process. Consequently, the University is required to maintain compliance under the PLDA pending the outcome of the appeal.

The due date for Penn State's Quarterly Expense Report under the Pennsylvania Lobbying Disclosure Act is quickly approaching. In the report, Penn State must disclose all lobbying activities and expenses for the months of April, May and June. So that Penn State can meet its legal obligations under that act, it is imperative that all employee lobbying activities and associated expenses be reported to the Office of Governmental



Work is continuing on the expansion of Beaver Stadium on the University Park campus. Above, a worker is busy in the enclosed suite seating. Sixty enclosed suites are being constructed on the east side of the stadium, opposite the present press box. By the start of the fall 2001 season, Beaver Stadium will have expanded to seat 103,500. This will include 4,000 new club seats and the Mount Nittany Lounge in the South end zone, as well as the enclosed suites. **At right**, while Beaver Stadium is getting a new face lift, the stadium groundskeepers are getting a new home as well. The multi-building site is located near the salvage area on the University Park campus.

Photos: Greg Grieco



Affairs no later than July 10.

The lobbying reporting forms and instructions can be retrieved from the Web at <http://www.govt.psu.edu/govaffairs/PLDA.html>. Alternatively, the forms can be requested directly from the Office of Governmental Affairs. Completed forms should be sent to the attention of Richard DiEugenio in the Office of Governmental Affairs, 117 Old Main.

For specific inquiries, send e-mail to Mary Ann Chavey at mqc@psu.edu and include the word "lobby" in the subject line.

To view the University's policy concerning employee contacts with state and federal officials (AD 50), check the Web at <http://grru.psu.edu/policies/AD50.html>.

Bag the brown paper

The University Mail Service is asking customers to refrain from using brown paper wrapping on packages.

Automated postal equipment is ripping the brown paper wrapping — with the address on it — off the packages. If the address separates from the package, it can be virtually impossible to match up again.

Because of the large volumes of inter-office and U.S. mail handled by the University mail trucks, University employees are asked to refrain from receiving personal packages and boxes. These items should be delivered to a personal address.

General University policy requires that

equipment, supplies and services owned, leased or operated by the University be used only in the conduct of University programs and activities.

The use of University mail service is governed by this general University policy.

For the record

Andrew Cole is associate director of the Center for Watershed Stewardship and an assistant professor of landscape architecture and ecology. He no longer has any affiliation with the Cooperative Wetlands Center. Due to a source error, his titles and affiliation were listed incorrectly in a Penn State item on page 10 of the June 7 *Intercom*.



Academic Promotions

Effective July 1

Following are University-wide faculty promotions.

TO PROFESSOR

Ramaswamy C. Ananthaswaran, food science
 S. Saad Andaleeb, marketing, Erie
 Bee Yan Au-Boers, economics
 Johann Baumgartner, marketing
 James J. Beatty, physics
 Robin G. Becker, English and women's studies
 Gary E. Bolton, management science
 Lisa J. Bontrager, music
 Linda L. Caldwell, recreation and park management
 Dennis D. Calvin, entomology
 Wemu Cao, mathematics and materials science
 Gary E. Chick, hotel, restaurant and recreation management
 Paul F. Clark, labor studies and industrial relations
 Lance R. Collins, chemical engineering
 Timothy J. Considine, energy, environmental and mineral economics
 Kim D. Cook, music
 William S. Curran, weed science
 Brian A. Dempsey, environmental engineering
 Peter W. Dillon, surgery and pediatrics, College of Medicine
 Robert M. Edwards, nuclear engineering
 Susan Beth Farnar, law, The Dickinson School of Law
 Jill L. Findels, agricultural economics
 Constance A. Flanagan, agricultural and extension education
 John C. Franceschini, theatre
 Abraham S. Grader, petroleum and natural gas engineering
 Mark J. Gultinan, plant molecular biology
 Gregory D. Hanson, agricultural economics
 Jayson K. Harper, agricultural economics
 William R. Henning, animal science
 Anatoli F. Ivanov, mathematics, Wilkes-Barre
 Karen E. Johnson, applied linguistics and speech communication
 Loukas N. Kalliperis, architecture
 Mark Kester, pharmacology, College of Medicine
 Laura Langer Knoppers, English
 Joan M. Lakoski, pharmacology and anesthesiology, College of Medicine
 Cary L. Libkin, theatre
 Mark L. Lusk, music
 Mark D. Maughmer, aerospace engineering
 Mary D. Menachery, chemistry, Altoona
 Jeffrey T. Nealon, English
 Spencer G. Niles, education
 James F. Nolan Jr., education
 Mark E. Olsen, theatre
 Laura L. Pauley, mechanical engineering
 Katherine C. Pearson, law, The Dickinson School of Law
 Robert D. Richards, journalism and law
 Jane M. Ridley, theatre
 Nitin Samarth, physics

Jie Shen, mathematics
 Charles D. Smith, pharmacology, College of Medicine
 Alan J. Snyder, surgery, College of Medicine
 Judith L. Stephens, speech communication, Schuylkill
 Mario Szalier, electrical engineering
 George P. Vogler, biobehavioral health
 Marley W. Watkins, education
 Paul S. Weiss, chemistry
 Abdullah Yavas, business administration
 Qiming Zhang, materials and electrical engineering

TO LIBRARIAN

Virginia A. Lingle, College of Medicine

TO SENIOR SCIENTIST

W. Jack Hughes, Applied Research Laboratory
 Michael W. Grutzeck, Materials Research Institute

TO ASSOCIATE PROFESSOR

Namanjeet Ahluwalia, nutrition
 Sohail Anwar, engineering, Altoona
 Andrew G. August, history, Abington
 Asad Azemi, engineering, Delaware County
 Cathy Faulcon Bowen, agricultural and extension education
 W. Nielsen Brandt, astronomy and astrophysics
 William D. Burgos, environmental engineering
 Clay Calvert, communications and law
 Qian Chen, cellular and molecular physiology, and orthopedics and rehabilitation, College of Medicine
 Jonathan D. Chorover, environmental soil chemistry
 William J. Cobb, English
 Carol L. Colbeck, education
 Francesco Costanzo, engineering science and mechanics
 Vincent H. Crespi, physics
 Suzanne L. DeBoef, political science
 C. Paola Ferreri, fisheries management
 Karen L. Fingerman, human development and family studies
 Danielle D. Flannery, education, Harrisburg
 Farhan S. Gandhi, aerospace engineering
 Yvonne M. Gaudelus, art education and women's studies
 Amy S. Greenberg, history
 Marie E. Hoinacki, political science
 Margaret R. Jaster, humanities and literature, Harrisburg
 Victoria A. Kazmerski, psychology, Erie
 Jeffrey A. Laman, civil engineering
 Sukyoung Lee, meteorology
 Y.J. Doris Lee, instructional systems, Great Valley
 Qi Li, physics
 Duangping Liao, health evaluation sciences, College of Medicine

Clifford J. Lissenden III, engineering science and mechanics
 Ann Marie Major, communications
 Costas D. Maranas, chemical engineering
 David T. Mauger, health evaluation sciences, College of Medicine
 Annette K. McGregor, theatre
 David B. McNaughton, education
 Adele W. Miccio, communication disorders
 David J. Miller, electrical engineering
 Cathleen M. Moore, psychology
 J. Toby Mordkoff, psychology
 Daniel J. Mount, hotel, restaurant and institutional management
 Bagisa Mukherjee, mathematics, Worthington Scranton
 Randall E. Newnham, political science, Berks
 Helen P. O'Leary, art
 Richard W. Ordway, biology
 B. Richard Page Jr., German and linguistics
 Beverly C. Peterson, English, American studies and women's studies, Fayette
 Paul E. Plassmann, computer science and engineering
 Elizabeth F. Quackenbush, art
 Lisa A. Reed, French and linguistics
 James A. Rehg, engineering, Altoona
 Jacqueline Krasas Rogers, labor studies and industrial relations, sociology and women's studies
 Ira J. Ropson, biochemistry and molecular biology, College of Medicine
 David E. Ruth, history, Abington
 Jacqueline E. Schwab, human development and family studies, Mont Alto
 Shyam S. Sethuraman, communications
 Robert D. Shannon, agricultural engineering
 Candace Spigelman, English, Berks
 Dagmar Sternad, kinesiology
 Garrett A. Sullivan Jr., English
 Robert Symczak, history, Beaver
 Ron Tzur, education
 Beverly J. Vandiver, education
 William J. Weiss, surgery, College of Medicine
 Eileen Fabian Wheeler, agricultural engineering
 Bruce P. Wittershaus, physics, Erie
 Xiaoxing Xi, physics
 Yuefeng Xie, environmental engineering, Harrisburg

TO ASSOCIATE LIBRARIAN
 Paige G. Andrew
 Gary A. Hughes
 Janet W. White

Following are faculty promotions within the Applied Research Laboratory.

TO SENIOR RESEARCH ENGINEER
 Applied Research Laboratory
 Paul L. Callahan
 Robert A. Johnson

Clifton C. Merchant
 William W. Meyer
 Fred E. Smith
 Frank W. Symons
 Charles R. Zentner

TO SENIOR RESEARCH ASSOCIATE

Applied Research Laboratory

Arnold A. Fontaine, Intercollege Research Programs
 Richard L. Tutwiler, Intercollege Research Programs

TO RESEARCH ENGINEER

Applied Research Laboratory

Gregory A. Babich
 Steven J. Barnett
 Mark J. Bregar
 Judith L. Cerenzia
 John E. Dzielski
 Michael J. Gustafson
 Mark F. Hennickson
 Michele R. Keller
 John M. Kenny
 James J. Kisenwether
 Robert D. Marciniak
 Robert H. Rivior
 Robert M. Seland
 Dennis B. Wess

TO ASSOCIATE RESEARCH ENGINEER

Applied Research Laboratory

David A. Boger
 James J. Dreyer
 Brett D. Saylor
 Jonathan P. Stoltzhus
 Frederick W. Tiltonson
 Frank J. Zajackowski

COOPERATIVE EXTENSION

TO SENIOR EXTENSION AGENT

Cathy B. Guffey, Bradford County
 Mena M. Hautau, Berks County
 Dan F. McFarland, York County
 Roxanne F. Price, York County
 Nina L. Redding, Adams County
 Leon J. Ressler, Lancaster County

TO EXTENSION AGENT

Janet I. Allis, Northumberland County
 Bruce P. Alloway, Delaware County
 Melanie E. Barkley, Bedford County
 John Byrnes, Philadelphia County
 Karen S. Hack, Franklin County
 David W. Hartman, Columbia County
 Robin L. Kuleck, McKean County
 Phillis Laufer, Northampton County
 Margaret R. Malehorn, Cumberland County
 Robin S. Rex, Columbia County
 Karen A. Thomas, Lackawanna County
 Walter E. Whitmer, Juniata County

TO ASSOCIATE EXTENSION AGENT

Adam K. Downing, Warren County
 Norma R. Lash, Fulton County
 Katina E. Showman, Lancaster County



Awards

Department of Statistics wins Schreyer Collaborative Award

Several members of the Department of Statistics, who designed and implemented changes to an introductory class taken by more than 2,600 students each year, have been honored with a Schreyer Institute Collaborative Award by the Schreyer Institute for Innovation in Learning. The award recognizes the efforts of the individuals and the impact of the restructured class, which made the educational process more engaging and meaningful to students, thereby improving their retention and understanding of course material.

Collaborators on the project were: Patricia Buchanan, instructor; Mosuk Chow, assistant professor; William Harkness, professor of statistics; Matthew Herbison, graduate assistant; Robert Heckard, senior lecturer; and Laura Simon, instructor.

Although the Schreyer Institute usually honors individuals with awards for innovation, it instituted a group award for the Department of Statistics because of the "remarkable collaboration" involved in the project.

The redesigned class, Statistics 200, was initially implemented during the fall 2000 semester as the result of a grant from the Pew Foundation's Learning and Technology Program with support from the Center for Academic Computing and several years of preliminary planning and work. As a result, the class was transformed from its traditional classroom-and-lecture format to

a highly interactive, technology-based environment that encouraged group activities and team learning. Instead of three lectures and two recitation sections per week, students attended one lecture and two computer laboratory sessions each week.

Members of the course-redesign team created more than 50 laboratory activities from which students could select assignments to meet the needs of their individual groups. Some Web-based instruction was included and students worked more frequently with problems simulating real-life applications than with theoretical equations and formulas. The design allowed students to become more active participants in the educational process.

Statistics 200, a required course in about 60 majors, enrolls 2,200 students per year at the University Park campus, with an additional 400 students enrolled at other campuses. According to ongoing assessment efforts, the Schreyer Institute observed about a 20 percent improvement in tests of basic concepts compared to the traditional course and a reduction in the number of necessary teaching assistants from 12 to six.

According to its mission, the Schreyer Institute works to promote partnerships among faculty, staff and students to design and implement learning experiences that foster inquiry, initiative and teamwork.

Educator of Year named at DuBois

A faculty member who incorporates real-world experiences into the classroom to help motivate his students to higher levels of achievement has been honored as the Educator of the Year at Penn State DuBois.



William J. Haering, assistant professor of engineering, was selected for the 2000-01 award.

The Educator of the Year award is presented annually by the DuBois Educational Foundation, the campus advisory board. Students nominate faculty who best fit the criteria for the honor, which includes demonstrated enthusiasm, compassion and respect for students, and excellence in teaching and advising. The winner is selected by the foundation.

Haering was praised for his fairness in grading and assigning material, his attempts to include all students in classroom discussion and for making himself available to students even beyond regular classroom and office hours.

At DuBois, Haering teaches courses in engineering design and graphics, engineering mechanics and mechanical engineering and advises engineering students.

He is involved in research on flexible-body dynamics and engineering pedagogy.

He also assists with the annual High School Technology Challenge sponsored by the campus Tech Prep office.

Vice President's Awards mark contributions, dedication

Staff members in Outreach and Cooperative Extension have been honored with Vice President's Awards for their contributions to the outreach mission of the University.

James H. Ryan, vice president for Outreach and Cooperative Extension, presented these awards on May 24:

■ **Vice President's Award for Outreach Leadership:** Michelle Rodgers, regional director, Capital Region, Cooperative Extension and Outreach, for her leadership and vision as a champion of outreach programs within the Capital Region and throughout the University.

■ **Vice President's Award for Innovation — Pathfinder Award:** Maryann Frazier, senior extension associate, Cooperative Extension, and team, for developing and delivering the annual Great Insect Fair. Team members are Steve Jacobs and Greg Hoover, senior extension associates; Lyn Garling, project associate; and Dave Love, safety and facilities, Department of Entomology; College of Agricultural Sciences.

■ **Vice President's Award for Quality Enhancement:** Tracey D. Huston, director, Office of Outreach Communications, for her leadership in creating a continuous quality improvement team to streamline the planning and production of *Penn State Outreach* magazine.

■ **Vice President's Award for Customer Service:** Winifred McGee, extension agent, Lebanon County, Cooperative Extension, and team, for coordinating the Capital Region food processor joint outreach initiative, which assessed the education and training needs of small- and mid-sized food processors and developed education programs to address their needs. Team members are Warren Weaver and Dana Stuller, senior technical specialists, Pennsylvania

Technical Assistance Program; Terry Riley, director, Continuing Education, Penn State York; Steve Bogash, extension agent, Franklin County Cooperative Extension; Luke LaBorde, assistant professor of food science; Heather Koberle, conference planner, Conferences and Institutes, Division of Continuing Education; Jim Fong, director, and Ginny Pearson, research associate, Outreach Office of Marketing Research; Eric Vorod, extension agent, Dauphin County Cooperative Extension; Nancy Wiker, extension agent, Lancaster County Cooperative Extension; and Ron Smith, area representative, Continuing Education, Penn State Harrisburg.

■ **Vice President's Award for Partnership — Bridge Builder Award:** Armando Villarroel, executive director of CREAD, the Inter-American Distance Education Consortium, for his dedication to building "rainbow" bridges and partnerships among individuals, academic institutions and organizations to share resources and expertise throughout the Western Hemisphere.

■ **Vice President's Award for Diversity and Public Service — Marybeth Reese Award:** Mary P. Miller, extension agent, 4-H/youth development, Montgomery County Cooperative Extension, for her educational programs for at-risk youth and her work in developing and delivering diversity programs for extension agents and support staff and Expanded Food and Nutrition Education Program advisers in the Southeast Region of Cooperative Extension. She also serves on the Pennsylvania Diversity Catalyst Team.

■ **Vice President's Award for Special Contributions:** Lori Pacholi, director of marketing, Penn State Public Broadcasting, for her perseverance in successfully overcoming the challenges of a serious medical illness while maintaining an outstanding level of accomplishment in her role at Penn State Public Broadcasting.

Public Broadcasting celebrates several employees

Penn State Public Broadcasting celebrated outstanding accomplishments and employees during the annual awards luncheon on May 11.

Employees are nominated by their peers for notable contributions made during the year. The award winners for 2001 are:

■ **Teamwork:** Broadcast operations — Eileen Akin, Duane Champion, Carl Fisher, Amy Kelley, Bob Reichley, Dave Watson, Brett Weaver, Al Wilson, John Wesdock and Bernie Samansky.

■ **Cents-Ability:** Sue Orm.

■ **Customer Service:** Kirk Swanson and Jim Gugin.

■ **Volunteer:** Brenna Lorenz and James Furr.

■ **Community Service:** Katie O'Toole.

■ **Diversity:** Cindi Deutschman.

■ **Humanitarian:** Jeff Hughes.

■ **Quality Achievement:** Bernie Samansky.

■ **Creativity/Innovation:** Matt Chirdon.

■ **Venture:** Chuck Ungun.

■ **SAM Award:** Ted Krichels.

■ **Outstanding Employee:** Jerry Sawyer.

■ **General Manager's Award:** Duane Champion.



Penn Staters

Rosann Bazirjian, assistant dean of technical and access services, was elected as the vice chair/chair-elect for the Association for Library Collections and Technical Services, acquisitions section, a national board that is part of the American Library Association. She will serve a three-year term. Bazirjian also was elected as a PALINET Online Computer Library Center Inc. Users Council Delegate representative. During her three year term on this regional board, Bazirjian will serve as a key link between member libraries and council management.

N.K. Bose, HRB-Systems professor of electrical engineering and director of the Spatial and Temporal Signal Processing Center, delivered an invited plenary talk at the 2001 International Conference on Sampling Theory and Its Applications in Orlando, Fla. Bose discussed Groebner bases, matrix factorization, filter banks and wavelets.

Judd Michael, assistant professor of wood products, received the Award for Excellence in Journal Publications from the Southern Extension Forest Resource Specialists.

Raj Mittra, professor of electrical engineering in the Communication and Space Sciences Laboratory of the Department of Electrical Engineering, was an invited speaker at the Short Course on Wireless Communication Antennas at the City University of Hong Kong. The course was sponsored by the local chapter of the Institute of Electrical and Electronic Engineers. He also was an invited speaker at the University of Pisa in Italy. He also presented a talk at Ingneria Dei Sistemi di Pisa.

Daniel Perkins, associate professor of agricultural and extension education, was invited to serve on the editorial board for the National Council For Family Relations' journal *Family Relations*.

Rama Radhakrishna, associate professor of agricultural and extension education, presented three papers at the American Evaluation Association Conference in Hawaii: "A Framework to Build Evaluation Capacity of Extension

Professionals," "Assessing Quality of Extension Programs Through Customer Satisfaction Surveys" and "Developing a Web-based System to Report Extension Accomplishments."

Richard Robinett, professor of physics, has been elected as a general member-at-large of the American Physical Society Forum on Education. The Forum on Education exists as a means to involve society members in activities related to physics education at all educational stages, from elementary school to graduate school.

Edward Smith, associate professor and director of evaluation research in the College of Health and Human Development's Prevention Research Center, and **Linda Caldwell**, associate professor of recreation and park management, and other faculty affiliated with the Children, Youth and Family Consortium, played a leading role in facilitating a conference in Durban, South Africa, which addressed the issues of enhancing South African youth competencies and reducing risk behaviors associated with HIV/AIDS; tobacco, alcohol and drug abuse; and violence.

Several College of Agricultural Sciences faculty received national awards at a national convention in Baltimore.

Steve Spencer, professor emeritus of dairy science, was named a Fellow of the American Dairy Science Association and received the National Dairy Herd Improvement Association Distinguished Service Award. **Jud Heinrichs**, professor of dairy science extension, received the ADSA Nutrition Professionals Inc. Applied Dairy Nutrition Award. **Gabriella Varga**, professor of animal science, received the ADSA American Feed Industry Association Award.

Jelena Srebric, assistant professor of architectural engineering, received the 2001 Homer Addams Award from the American Society of Heating, Refrigerating and Air-Conditioning Engineers. Srebric was honored for research she performed while attending the Massachusetts Institute of Technology as a graduate student.

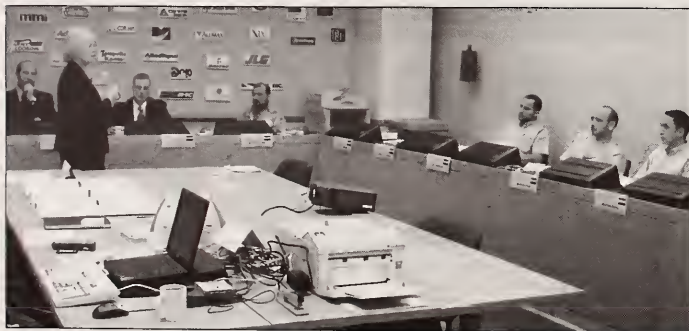
Robert Varber, associate professor of art, was commissioned by the Vatican, under the Jubilee 2000 Campaign, to produce a medal commemorating the millennium. Out of 32 artists chosen to create medals, he was the only American. The Jubilee 2000 is an international movement to cancel the debt of the world's most impoverished nations.

On behalf of Gov. Tom Ridge, Department of Environmental Protection (DEP) Acting Secretary David E. Hess presented a Waste Watcher Award to the **Office of Physical Plant, Office of Housing and Food Services and Office of Residence Life**. The units were recognized for successfully "promoting recycling among students and University staff through the University's residence hall publication and recycling information packet." The University also has gained recognition for its special events and recycling efforts that generate money for charity and help fund student scholarships. The Waste Watcher Awards are sponsored by DEP, the Pennsylvania Waste Industries Association and the Public Recycling Officials of Pennsylvania.

The magazine *Research/Penn State* received a silver medal in the category "Periodical Special Issues" in the 2001 Council for Advancement and Support of Education awards competition.

The Penn State magazine received two awards in the 2001 Society of National Association Publications competition. The magazine received a gold award in the category of "Magazines, General Excellence" for three consecutive issues of *The Penn State*, from July to December 2000. The magazine also received a silver award in the category of "Magazines, Feature Articles" for the story "Back on Track," which appeared in the January/February 2000 issue. The article, by **Chuck Salter**, focused on track star Kathy Messner's comeback from a near-fatal car accident. The magazine also received a bronze award in the category "Periodicals Staff Writing" in the 2001 Council for Advancement and Support of Education awards competition.

Visitors welcomed



Patricia A. Book, associate vice president for outreach and executive director, Division of Continuing Education, outlines the University's outreach model for faculty members from two higher education institutions in Egypt. The visitors from the Arab Academy for Science and Technology in Alexandria and the Sadat Academy for Management Sciences in Cairo spent a week at University Park campus as part of a three-week observational study tour in the United States. The visitors met with Outreach and Cooperative Extension faculty and staff members at the Management Development Technology Center.

PARTINGS

Business finance assistant retires after 25 years

Sally Toner, business finance assistant in the Office of Telecommunications, has retired after 25 years at the University.

She began her career in 1976 as a Wide Area Telephone System (WATS) operator within what was the Department of Telephone Services of Business Services. In the following year, she was promoted to WATS rental clerk. Toner was promoted to WATS senior rental clerk in 1985 when the telephone services department was transferred over to the newly formed Office of Telecommunications.

In addition to planning a trip to Alaska, Toner looks forward to gardening, camping and spending more time with her family.

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Focus on Research

'Smart meter' knows when concrete has reached the proper solidity

By VICKI FONG
Public Information

University engineers have developed a "smart" maturity meter to estimate and to signal by phone when newly poured concrete bridge supports, pavements and highway surfaces have reached the correct hardness and strength to be opened to traffic or the next phase of construction.

"This method of estimating the strength of concrete can save taxpayer money in reduced cost of quality control and assurance testing," said Paul Tikalsky, associate professor of civil and environmental engineering and a developer of the prototype. "In addition, the meter provides information on the status of the actual structure rather than on representative concrete samples, the method most often used today to estimate concrete strength."

The prototype and accessory technology were developed by Tikalsky and David G. Tepke as part of Tepke's master's degree research. Tepke completed his master's degree program in December and is now a doctoral candidate at the University.

The new maturity meter is the result of integrating digital phone technology with an existing concrete monitoring concept. The concept, Tikalsky said, has been around since the 1940s but has only recently been employed in meters on the commercial market. The Penn State prototype is a "next generation" meter that the developers estimate will cost less than those currently available. In addition, the meter provides real time evaluation and quality control information with cellular technology.

Ambient temperature, the heat generated by the chemical reactions in the curing process itself and the variability in the concrete mixture, as well as other factors, influence the rate at which concrete structures achieve their intended strength. When concrete is poured to create a structure, small sample castings are made, for test purposes, to represent how the concrete is gaining



Paul Tikalsky, associate professor of civil and environmental engineering, worked on developing a maturity meter to estimate when newly poured concrete has reached the proper hardness. The concrete bridge supports in the background, part of the Interstate 99 construction project that is going on near University Park, were used to test the meter.

Photo: Greg Grieco

strength in the actual structure.

The prototype uses the fact that the internal temperature of the concrete can be directly related to the time it takes to mature. Only a minimal number of castings need to be made for the method to be effective. To determine the internal temperature, the prototype uses simple thermocouple technology and then integrates it with a computer program on a microchip, along with cell phone technology, to provide a "smart" monitoring component.

In the prototype, sensor wires are snaked through the concrete forms before the cement is poured. After the cement is in place, the wires are connected to the maturity

meter which is, in turn, connected to a digital cell phone. By calling up the phone, the developers can download the data and use software they have developed to convert the temperature data into a maturity rating.

The meter is expected to cost about \$2,000 when it is commercially available and to reduce substantially the test castings that need to be made. Since an average of 200 castings are required for each concrete bridge upright, for example, the potential savings represents a significant part of the quality control and assurance testing budget.

Vicki Fong can be reached at
VFong@psu.edu.

Computer model predicts outcome of DNA shuffling

By ANDREA MESSER
Public Information

Industries using DNA shuffling to improve enzymes, therapeutic proteins, vaccines and viral vectors may soon have a computational method for predicting the number and likely locations of crossovers, according to a research team.

"To date, the application of these methods has been based on experience and empirical methods and there was no model to understand the process which can be time consuming, expensive and of uncertain outcome," said Costas D. Maranas, assistant professor of chemical engineering. "We used thermodynamics and reaction engineering to evaluate and model this complex reaction network so we can now predict where the DNA from different parent genes will recombine."

DNA shuffling uses related genes from different species or genes with related function, fragments them and reassembles them through recombination. Researchers then place recombinant genes into *Escherichia coli* to identify which new genes produce usable or potentially interesting products. Those genes that express a potentially interesting protein or enzyme are again fragmented and reassembled to form new recombinant genes. The process continues until a protein with the desired qualities is found.

The computer program was developed by Maranas Gregory L. Moore, graduate student in chemical engineering, Stefan Lutz, postdoctoral fellow in chemistry; and Stephen J. Benkovic, Evan Pugh professor of chemistry and holder of the Eberly Chair in Chemistry.

The mathematical model, which provides a predictive framework for DNA shuffling, looked into how fragment length, annealing temperature, sequence identity and the number of shuffled parent sequences affect the number, type and distribution of crossovers along the length of reassembled sequences.

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Astronomers report discovery of 2 most distant objects in the universe

The discovery of the two most distant objects ever observed in the universe was announced earlier this month by Donald Schneider, professor of astronomy and astrophysics and chair of the Sloan Digital Sky Survey Quasar Science Group, at a press conference during the American Astronomical Society meeting in Pasadena, Calif.

"We are trying to learn how early in the history of the universe the first stars and galaxies formed," Schneider said.

"This is the first time any object has been detected beyond redshift 6, which is

about 800 million years after the Big Bang," Schneider explained. "One of them is probably a black hole about 1 million times the mass of our sun, so models of the formation of our universe now will have to explain how such an object could have formed so early," he added.

Schneider, who has held many previous records for the discovery of "most distant" quasars, has been the organizer of the Sloan Digital Sky Survey's quasar science group since its inception in the early 1990s, helping to assure that its scientists achieve the projects research goals for

quasars, the most luminous objects in the universe. His announcement is part of the first public release of data from the Sloan Digital Sky Survey, a large international team.

Schneider described the observation of two quasars with respective redshifts of 6.0 and 6.2. The redshift of an object directly indicates the relative size of the universe when the light was emitted: light from a redshift 6.2 quasar left that object when the universe was 7.2 times smaller than it is today. The two new quasars break the previous distance record estab-

lished last year's SDSS discovery of a quasar at redshift 5.8. The data he presented also reveal still another quasar of redshift 5.8.

"Quasars are precocious galaxies whose massive black holes began accreting matter, lighting them up when the universe was less than 800 million years old," said Xiaohui Fan of the Institute for Advanced Study in Princeton, N.J., who led the team within the Quasar Science Group that identified the quasars. "They allow us to study the birth of galaxies, and the first supermassive black holes."



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Past and present



State Rep. Lynn Herman of Philipsburg, far right, had a personal interest in unveiling a historical marker commemorating Oak Cottage, the first permanent building on Penn State's University Park campus. Herman's great-great-great grandfather, John Herman, and his family were the first to occupy the cottage. Several of John Herman's descendants attended the ceremony. Below right is a closeup of the marker and the bottom photo shows Oak Cottage, right, before it was moved in 1889.

Photos: Julie A. Brink

Historical marker links lawmaker, ancestor to University's Oak Cottage

The installation of the newest campus historical marker held special significance for State Rep. Lynn Herman of Philipsburg and about a dozen other descendants of Penn State's first farm foreman, John Herman.

The marker commemorates Oak Cottage, the first permanent building on the University Park campus. John Herman, who was Rep. Herman's great-great-great grandfather, and his family were the first to occupy the cottage after its completion in 1857. The building was later home to such illustrious faculty members as Whitman Jordan, James Y. McKee and John Price Jackson.

The marker, installed June 15, is

located on the structure's original site along Pollock Road behind Old Main. In 1889, the cottage was moved about a hundred yards north of that site, near present day Paterno Library. Chi Omega sorority occupied it 1929-48 and then it was used for academic offices until it was razed in 1972.

Oak Cottage is the 67th campus historical marker placed since the program began in 1989. Funded by the Penn State Alumni Association and administered by the Office of University Relations, the markers call attention to events, places and people at Penn State that played a significant role in the development of the University and its impact on society.



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